

10/629,108

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	4	AUG 11	STN AnaVist workshops to be held in North America
NEWS	5	AUG 30	CA/CAPLUS - Increased access to 19th century research documents
NEWS	6	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS	7	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS	8	OCT 03	MATHDI removed from STN
NEWS	9	OCT 04	CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS	10	OCT 06	STN AnaVist workshops to be held in North America
NEWS	11	OCT 13	New CAS Information Use Policies Effective October 17, 2005
NEWS	12	OCT 17	STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAPLUS documents for use in third-party analysis and visualization tools
NEWS	13	OCT 27	Free KWIC format extended in full-text databases
NEWS	14	OCT 27	DIOGENES content streamlined
NEWS	15	OCT 27	EPFULL enhanced with additional content
NEWS EXPRESS		JUNE 13	CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:42:49 ON 14 NOV 2005

=> file reg

10/629,108

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:42:56 ON 14 NOV 2005

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 NOV 2005 HIGHEST RN 867336-65-0

DICTIONARY FILE UPDATES: 13 NOV 2005 HIGHEST RN 867336-65-0

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

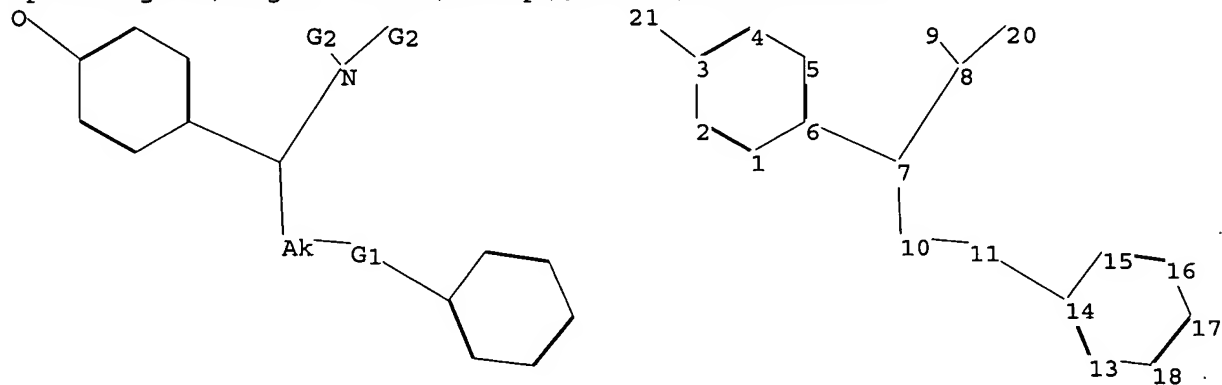
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\106291082.str



chain nodes :

7 8 9 10 11 20 21

10/629,108

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18

chain bonds :

3-21 6-7 7-8 7-10 8-9 8-20 10-11 11-14

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18

exact/norm bonds :

3-21 7-8 7-10 8-9 8-20 10-11 11-14

exact bonds :

6-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18

isolated ring systems :

containing 1 : 13 :

G1:O,S,N

G2:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 20:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 08:43:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 31774 TO ITERATE

6.3% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 624826 TO 646134

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 08:43:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 636510 TO ITERATE

100.0% PROCESSED 636510 ITERATIONS 505 ANSWERS
SEARCH TIME: 00.00.13

L3 505 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

162.19

162.40

FILE 'CAPLUS' ENTERED AT 08:44:42 ON 14 NOV 2005

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FILE COVERS 1907 - 14 Nov 2005 VOL 143 ISS 21
FILE LAST UPDATED: 13 Nov 2005 (20051113/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 88 L3

=> d l4 ibib hitstr abs 1-88

L4 ANSWER 3 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:363458 CAPLUS

DOCUMENT NUMBER: 143:52916

TITLE: Conformational analysis and docking study of potent acetylcholinesterase inhibitors having a benzylamine moiety

AUTHOR(S): Toda, Narihiro; Iwata, Yoriko; Tago, Keiko; Kogen, Hiroshi; Kaneko, Tsugio; Miyamoto, Shuichi

CORPORATE SOURCE: Exploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Tokyo, 140-8710, Japan

SOURCE: Chem-Bio Informatics Journal (2003), 3(2), 46-57

CODEN: CIJHBB; ISSN: 1347-0442

URL: http://www.cbi.or.jp/cbi/CBIj/vol3/3_46-E.pdf

PUBLISHER: Chem-Bio Informatics Society

DOCUMENT TYPE: Journal; (online computer file)

LANGUAGE: English

IT 444644-93-3 444644-96-6 444645-11-8

444645-12-9 854098-40-1 854098-42-3

854098-44-5 854098-46-7

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

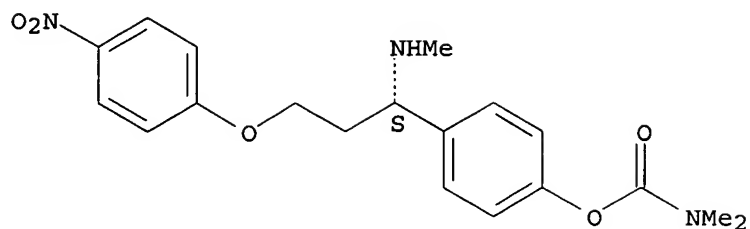
(conformational anal. and docking study of potent acetylcholinesterase inhibitors having benzyl moiety showed reasonable inhibition potency for two stereoisomers with 7-membered ring in vitro)

RN 444644-93-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

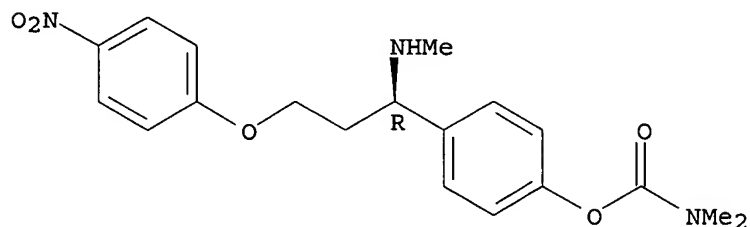
10/629,108



● HCl

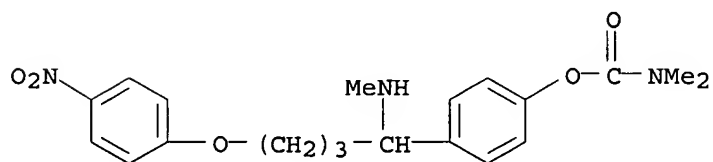
RN 444644-96-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

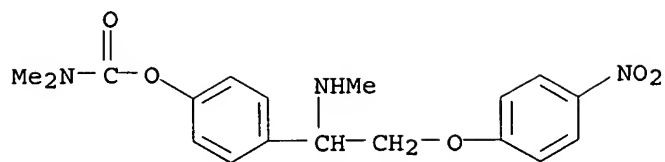
RN 444645-11-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-12-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108

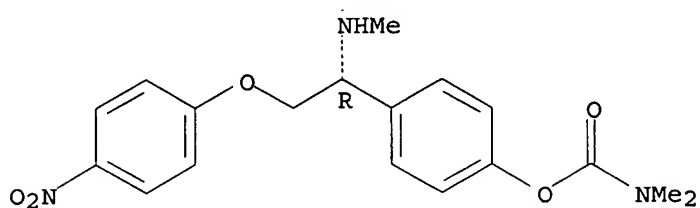


● HCl

RN 854098-40-1 CAPLUS

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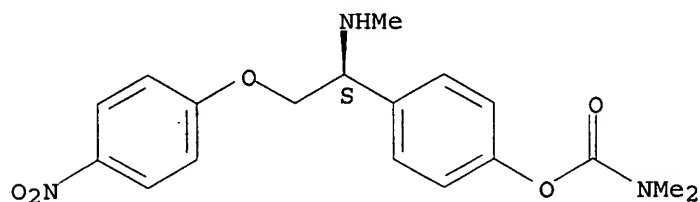
Absolute stereochemistry.



RN 854098-42-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester (9CI) (CA INDEX NAME)

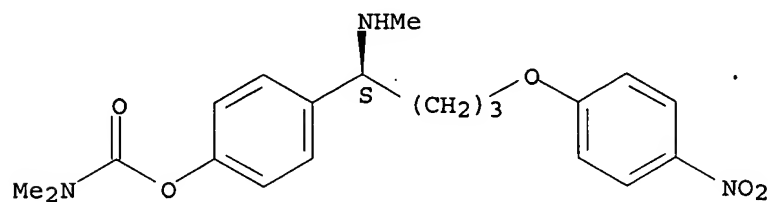
Absolute stereochemistry.



RN 854098-44-5 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

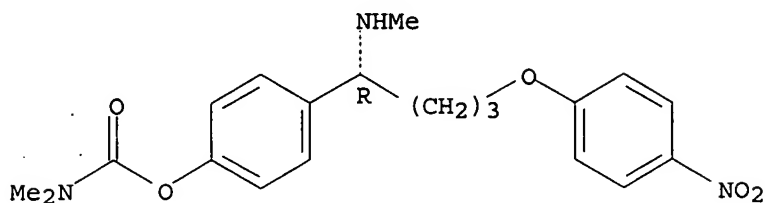


RN 854098-46-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)

nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB A conformational anal. and docking study of nitrophenoxyalkylbenzylamine derivs. with inhibitory activities against acetylcholinesterase was carried out in an attempt to analyze their structure-activity relationships based on the enzyme-inhibitor interaction. First, stable conformers of the inhibitors alone were obtained from the conformational anal. by mol. dynamics. Next, a docking study of the inhibitors into the ligand binding site was performed. Among the resulting stable complex structures, it was found that in the case of the two stereoisomers with a 7-membered ring, the more active one of the two formed a much more stable complex structure. On the other hand, complex structures with comparable energies were obtained for both stereoisomers that had no 7-membered ring and showed similar inhibitory activities. Lastly, structural features of the complex models of a series of inhibitors with side chains of different lengths were evaluated and corresponded well to their inhibitory activities.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:259678 CAPLUS

DOCUMENT NUMBER: 142:341889

TITLE: Pharmaceuticals containing combinations of an acetylcholine esterase inhibitor and α -2- δ receptor ligands

INVENTOR(S): Field, Mark John; Williams, Richard Griffith

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 25 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

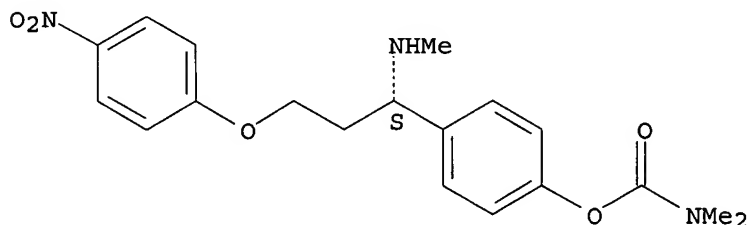
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005065176	A1	20050324	US 2004-936416	20040908
WO 2005027975	A1	20050331	WO 2004-IB2981	20040908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,				

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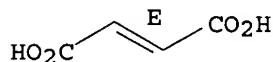
SN, TD, TG
PRIORITY APPLN. INFO.: GB 2003-22140 A 20030922
IT 444667-97-4, RS 1259
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceuticals containing combinations of acetylcholine esterase
inhibitor and α -2- δ receptor ligands)
RN 444667-97-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-
nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA
INDEX NAME)
CM 1
CRN 444667-96-3
CMF C19 H23 N3 O5

Absolute stereochemistry.



CM 2
CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



AB The instant invention relates to a combination of α -2- δ ligand and an AChE inhibitor for use in therapy, particularly in the treatment of pain, particularly neuropathic pain. Particularly preferred α -2- δ ligands are gabapentin and pregabalin. Particularly preferred AChE inhibitors are donepezil (Aricept), tacrine (Cognex), rivastigmine (Exelon), physostigmine (Synapton), galantamine (Reminyl), metrifonate (Promem), neostigmine (Prostigmin) and icopezil. Thus pessary compns. contained the above ingredient 250, anhydrous dextrose 380, potato starch 363, and Mg stearate 7 mg. The preparation of some of the compds. is given.

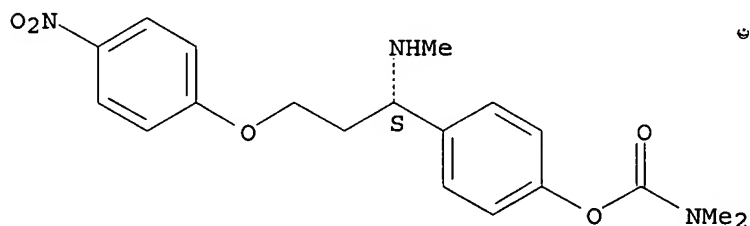
L4 ANSWER 5 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:136555 CAPLUS
DOCUMENT NUMBER: 142:212407
TITLE: Selective serotonin reuptake inhibitors for the
treatment of premature female orgasm
INVENTOR(S): May, Kathryn Elizabeth; Quinn, Paul
PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2

10/629,108

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005013984	A1	20050217	WO 2004-IB2524	20040727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005054688	A1	20050310	US 2004-911806	20040805
PRIORITY APPLN. INFO.:			GB 2003-18706	A 20030808
			US 2003-528136P	P 20031209
IT 444667-97-4, RS-1259				
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (compsns. of selective serotonin reuptake inhibitors for treatment of premature female orgasm)				
RN 444667-97-4 CAPLUS				
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)				
CM 1				
CRN 444667-96-3				
CMF C19 H23 N3 O5				

Absolute stereochemistry.

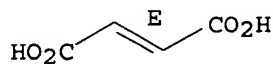


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



10/629,108

AB The present invention provides selective serotonin reuptake inhibitors (SSRIs) and their use in the preparation of a medicament for the treatment or prevention of premature female orgasm. For example, a tablet formulation contained SSRI compound 10.0%, lactose 64.125%, starch 21.375%, Croscarmellose sodium 3.0%, and magnesium stearate 1.5%.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:781444 CAPLUS

DOCUMENT NUMBER: 140:192823

TITLE: Pharmacological characterization of RS-1259, an orally active dual inhibitor of acetylcholinesterase and serotonin transporter, in rodents: Possible treatment of Alzheimer's disease

AUTHOR(S): Abe, Yasuyuki; Aoyagi, Atsushi; Hara, Takao; Abe, Kazumi; Yamazaki, Reina; Kumagae, Yoshihiro; Naruto, Shunji; Koyama, Kazuo; Marumoto, Shinji; Tago, Keiko; Toda, Narihiro; Takami, Kazuko; Yamada, Naho; Ori, Mayuko; Kogen, Hiroshi; Kaneko, Tsugio

CORPORATE SOURCE: Neuroscience and Immunology Research Laboratories, Sankyo Co., Ltd., Tokyo, 140-8710, Japan

SOURCE: Journal of Pharmacological Sciences (Tokyo, Japan) (2003), 93(1), 95-105

CODEN: JPSTGJ; ISSN: 1347-8613

PUBLISHER: Japanese Pharmacological Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 444667-97-4, RS 1259

RL: ADV (Adverse effect, including toxicity); DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pharmacol. characterization of RS-1259, dual inhibitor of acetylcholinesterase and serotonin transporter, in comparison with other inhibitors in rats and possible treatment of Alzheimer's disease)

RN 444667-97-4 CAPLUS

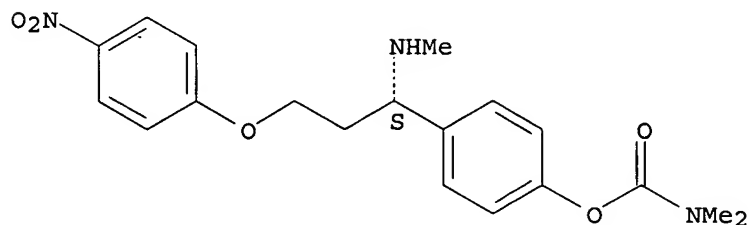
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 444667-96-3

CMF C19 H23 N3 O5

Absolute stereochemistry.



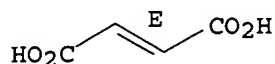
10/629,108

CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



AB A dual inhibitor of acetylcholinesterase (AChE) and serotonin transporter (SERT), RS-1259, was newly synthesized. RS-1259 simultaneously inhibited AChE and SERT in the brain following an oral administration in mice and rats. Actual simultaneous elevation of extra-cellular levels of 5-HT and ACh in the rat hippocampus was confirmed by microdialysis. The compound was as effective as SERT inhibitors such as fluoxetine and fluvoxamine in a 5-hydroxytryptophan-enhancing test in mice. Spatial memory deficits in the two-platform task of a water maze in aged rats were ameliorated by RS-1259 as well as donepezil. Both RS-1259 and donepezil increased the awake episodes in the daytime EEG of rats. Although RS-1259 was weaker than donepezil in enhancing central cholinergic transmission, as observed by ACh elevation in the hippocampus and memory enhancement in aged rats, the efficacy of RS-1259 on the consciousness level, which reflects the whole activity in the brain, was almost the same as that of donepezil. These results suggest that both cholinergic and serotonergic systems are involved in maintaining brain arousal and that a dual inhibitor of AChE and SERT may be useful for the treatment of cognitive disorders associated with reduced brain activity such as in Alzheimer's disease.

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 23 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:251390 CAPLUS

DOCUMENT NUMBER: 139:173164

TITLE: Design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as potential agents for Alzheimer's disease

AUTHOR(S): Toda, Narihiro; Tago, Keiko; Marumoto, Shinji; Takami, Kazuko; Ori, Mayuko; Yamada, Naho; Koyama, Kazuo; Naruto, Shunji; Abe, Kazumi; Yamazaki, Reina; Hara, Takao; Aoyagi, Atsushi; Abe, Yasuyuki; Kaneko, Tsugio; Kogen, Hiroshi

CORPORATE SOURCE: Exploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Shinagawa-ku, Tokyo, 140-8710, Japan

SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(9), 1935-1955

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:173164

IT 444644-13-7P 444644-14-8P 444644-15-9P
444644-26-2P 444644-36-4P 444644-44-4P
444644-49-9P 444644-52-4P 444644-62-6P
444644-63-7P 444644-85-3P 444645-11-8P
444645-12-9P 444645-31-2P 444645-32-3P
444645-47-0P 444645-58-3P 444667-96-3P

10/629,108

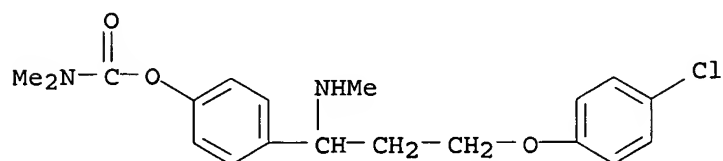
474295-89-1P 578729-98-3P 578729-99-4P
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578730-17-3P 578730-19-5P 578730-20-8P
578730-21-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(design, synthesis and structure-Activity relationships of dual
inhibitors of acetylcholinesterase and serotonin transporter as
potential agents for Alzheimer's disease)

RN 444644-13-7 CAPLUS

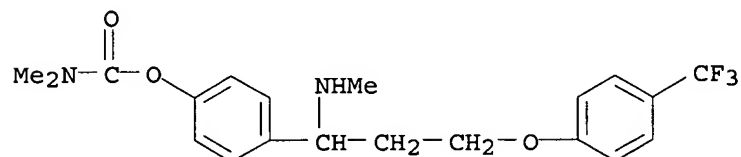
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-
(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-14-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

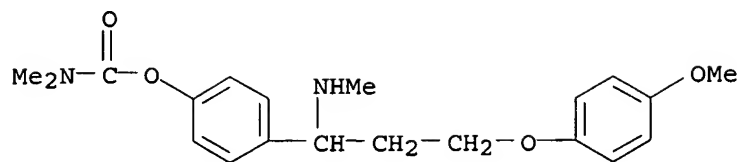


● HCl

RN 444644-15-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

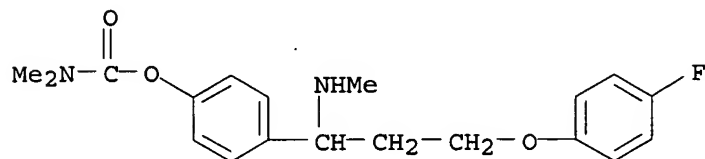
10/629,108



● HCl

RN 444644-26-2 CAPLUS

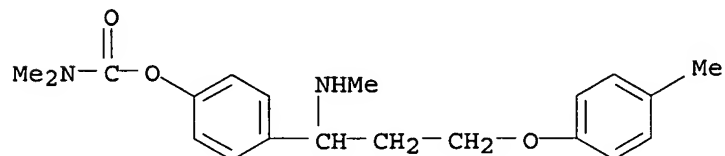
CN Carbamic acid, dimethyl-, 4-[3-(4-fluorophenoxy)-1-(methanimino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-36-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-(4-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

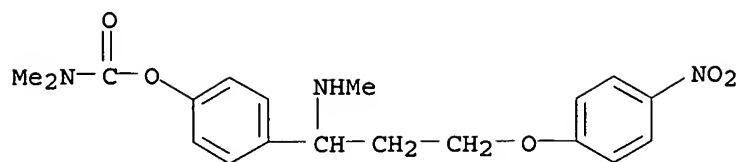


● HCl

RN 444644-44-4 CAPLUS

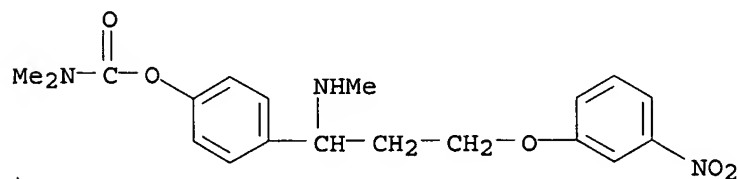
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



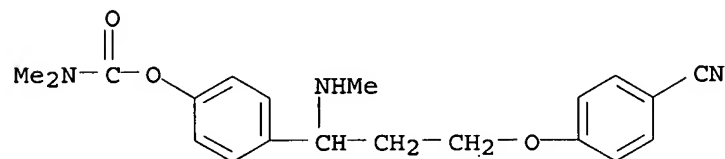
● HCl

RN 444644-49-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

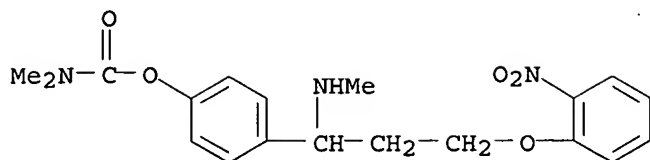
RN 444644-52-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methanimino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-62-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-(2-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

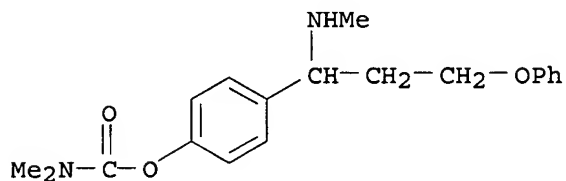
10/629,108



● HCl

RN 444644-63-7 CAPLUS

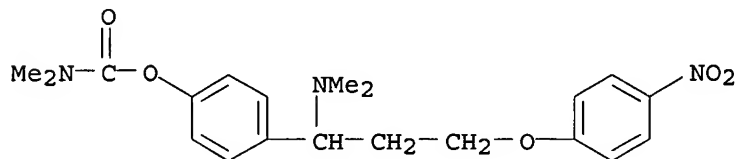
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-phenoxypropyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-85-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

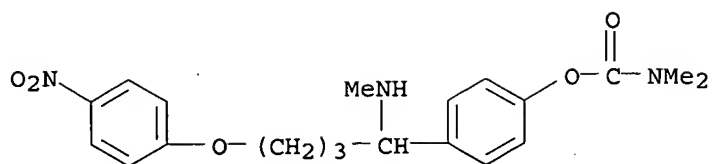


● HCl

RN 444645-11-8 CAPLUS

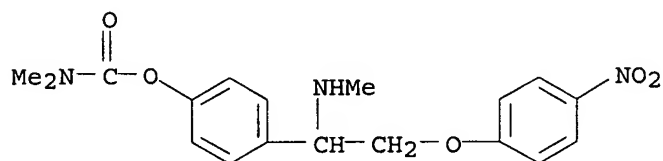
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-4-(4-nitrophenoxy)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



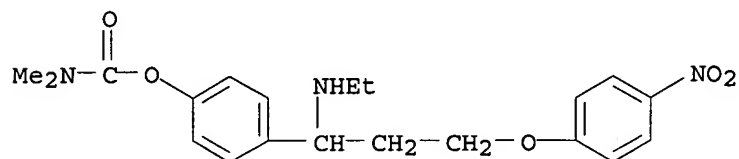
● HCl

RN 444645-12-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

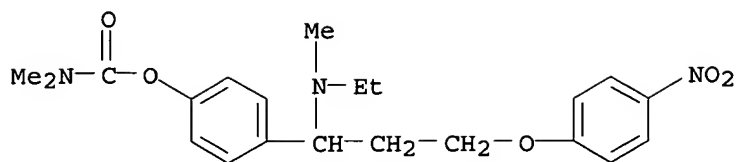
RN 444645-31-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

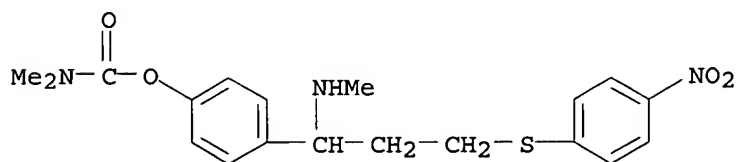
RN 444645-32-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



● HCl

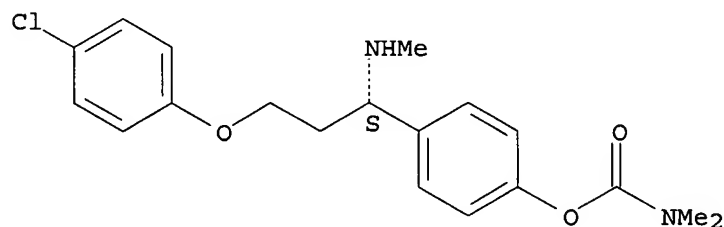
RN 444645-47-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylethylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-58-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylethylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

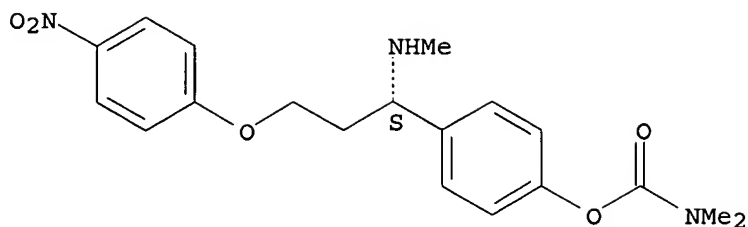
Absolute stereochemistry.



RN 444667-96-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

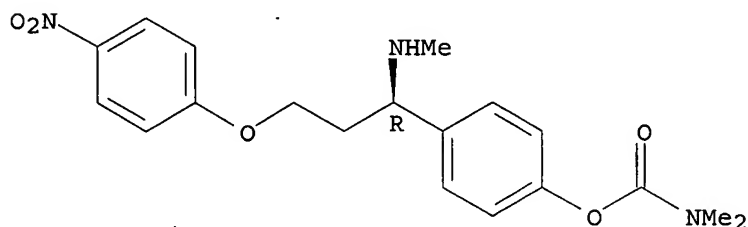
10/629,108



RN 474295-89-1 CAPLUS

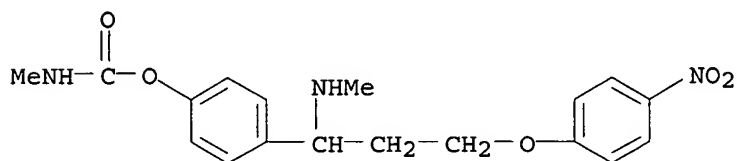
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 578729-98-3 CAPLUS

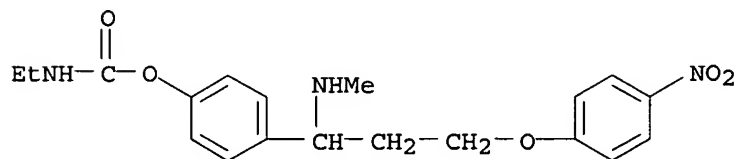
CN Phenol, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]-, methylcarbamate (ester), monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 578729-99-4 CAPLUS

CN Carbamic acid, ethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

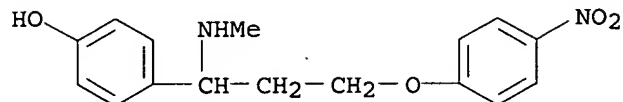


● HCl

10/629,108

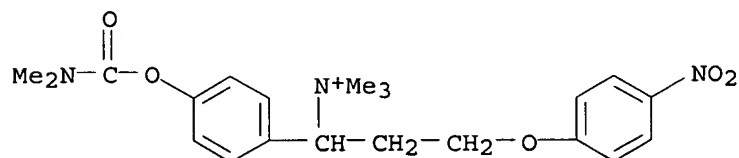
RN 578730-00-4 CAPLUS

CN Phenol, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl] - (9CI) (CA INDEX NAME)



RN 578730-07-1 CAPLUS

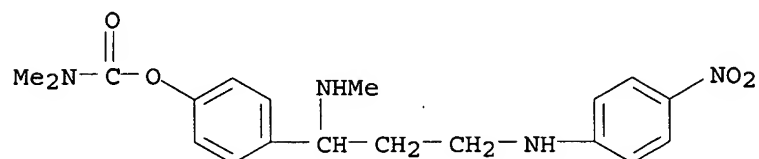
CN Benzenemethanaminium, 4-[[[(dimethylamino)carbonyl]oxy]-N,N,N-trimethyl- α -[2-(4-nitrophenoxy)ethyl]-, iodide (9CI) (CA INDEX NAME)



● I⁻

RN 578730-16-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)amino]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

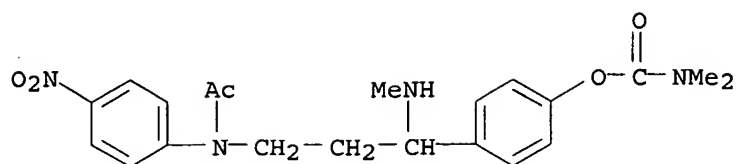


● HCl

RN 578730-17-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-nitrophenyl)amino]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

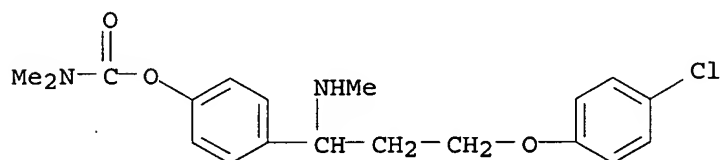
10/629,108



● HCl

RN 578730-19-5 CAPLUS

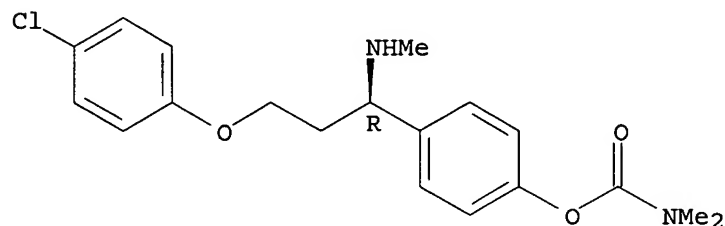
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 578730-20-8 CAPLUS

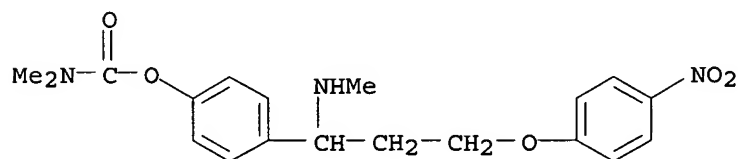
CN Carbamic acid, dimethyl-, 4-[(1R)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 578730-21-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



IT 578729-97-2P 663179-21-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

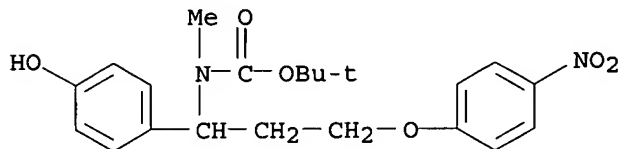
(design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as

10/629,108

potential agents for Alzheimer's disease)

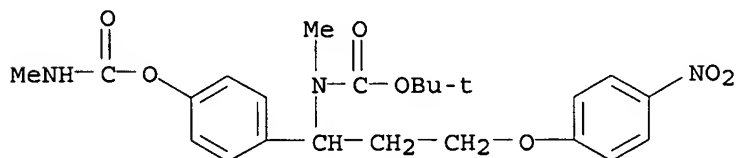
RN 578729-97-2 CAPLUS

CN Carbamic acid, [1-(4-hydroxyphenyl)-3-(4-nitrophenoxy)propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 663179-21-3 CAPLUS

CN Carbamic acid, methyl[1-[4-[(methylamino)carbonyloxy]phenyl]-3-(4-nitrophenoxy)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT 663190-59-8P 663190-62-3P 663190-75-8P

663191-00-2P 663191-10-4P 663191-20-6P

663191-36-4P 663191-48-8P 663192-95-8P

663193-10-0P 663197-96-4P 663198-00-3P

663198-40-1P 663213-88-5P 663215-01-8P

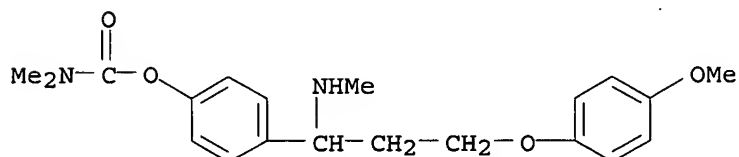
663215-03-0P 663215-04-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(design, synthesis and structure-Activity relationships of dual inhibitors of acetylcholinesterase and serotonin transporter as potential agents for Alzheimer's disease)

RN 663190-59-8 CAPLUS

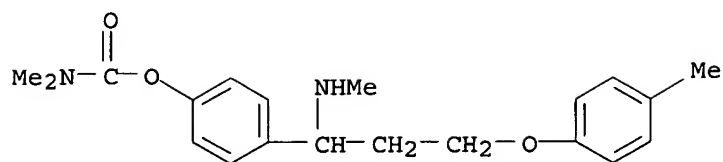
CN Carbamic acid, dimethyl-, 4-[3-(4-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663190-62-3 CAPLUS

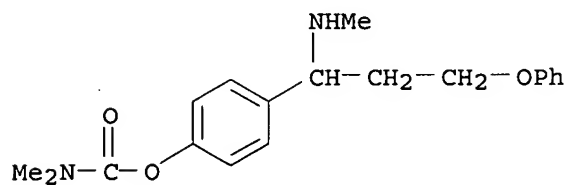
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-methylphenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

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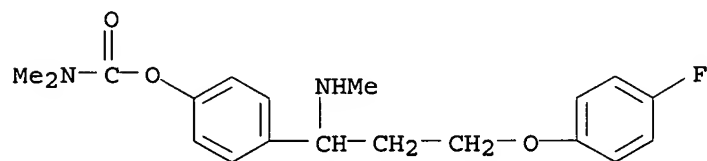
RN 663190-75-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-phenoxypropyl]phenyl ester (9CI) (CA INDEX NAME)



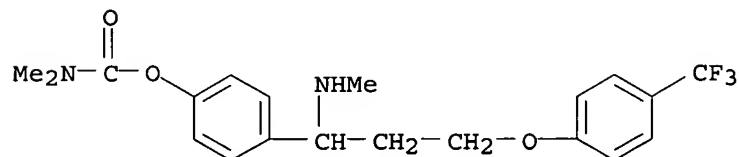
RN 663191-00-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663191-10-4 CAPLUS

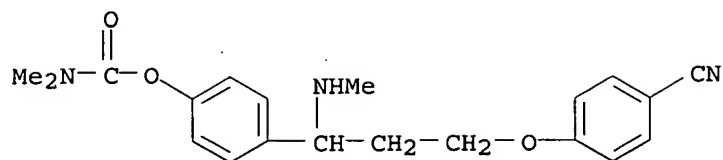
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663191-20-6 CAPLUS

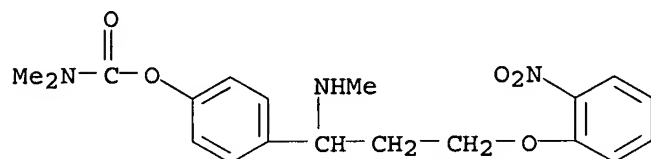
CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

10/629,108



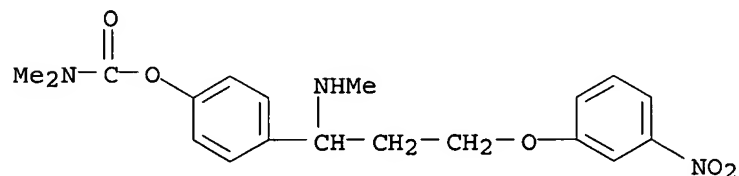
RN 663191-36-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



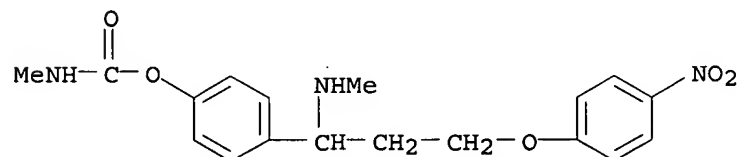
RN 663191-48-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663192-95-8 CAPLUS

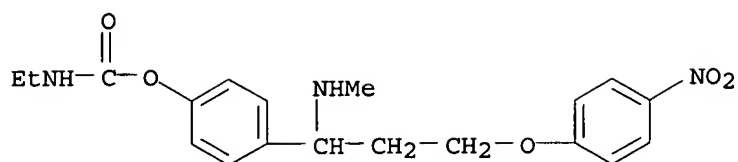
CN Phenol, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]-, methylcarbamate (ester) (9CI) (CA INDEX NAME)



RN 663193-10-0 CAPLUS

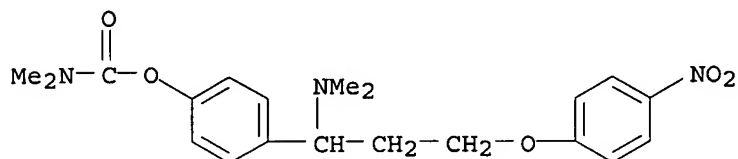
CN Carbamic acid, ethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

10/629,108



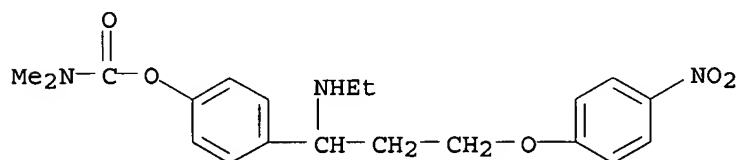
RN 663197-96-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



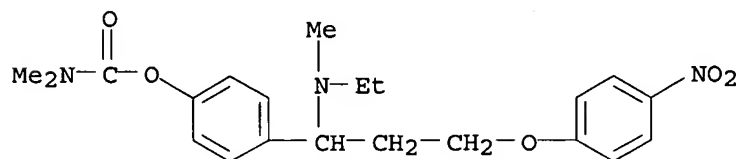
RN 663198-00-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



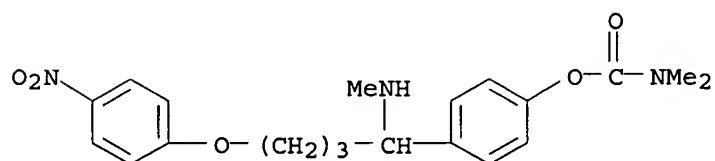
RN 663198-40-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(ethylmethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 663213-88-5 CAPLUS

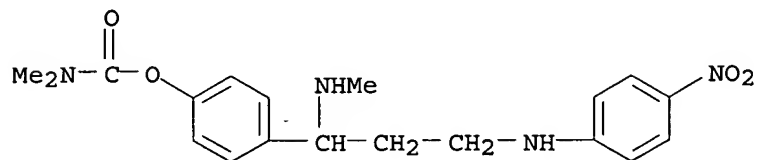
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-nitrophenoxy)butyl]phenyl ester (9CI) (CA INDEX NAME)



10/629,108

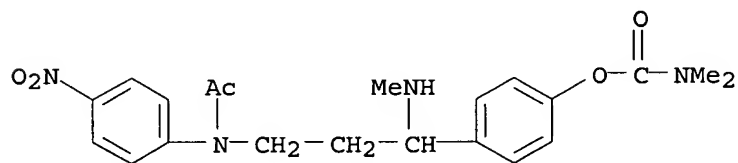
RN 663215-01-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)amino]propyl]phenyl ester (9CI) (CA INDEX NAME)



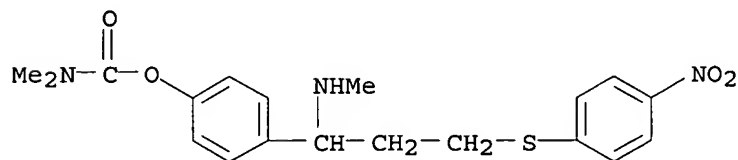
RN 663215-03-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-nitrophenyl)amino]-1-(methylamino)propyl]phenyl ester (9CI) (CA INDEX NAME)

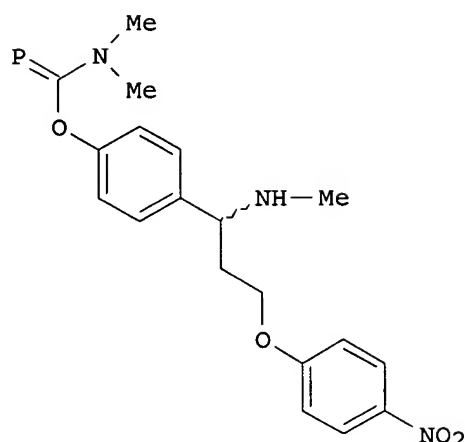


RN 663215-04-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester (9CI) (CA INDEX NAME)



GI



AB We have designed and synthesized a dual inhibitor of acetylcholinesterase (AChE) and serotonin transporter (SERT) as a novel class of treatment drugs for Alzheimer's disease on the basis of a hypothetical model of the AChE active site. Dual inhibitions of AChE and SERT would bring about greater therapeutic effects than AChE inhibition alone and avoid adverse peripheral effects caused by excessive AChE inhibition. Compound (I) exhibited potent inhibitory activities against AChE (IC₅₀=101 nM) and SERT (IC₅₀=42 nM). Furthermore, I showed inhibitory activities of both AChE and SERT in mice brain following oral administration.

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 26 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:667576 CAPLUS

DOCUMENT NUMBER: 137:337771

TITLE: Design and Synthesis of Dual Inhibitors of Acetylcholinesterase and Serotonin Transporter

AUTHOR(S): Targeting Potential Agents for Alzheimer's Disease
Kogen, Hiroshi; Toda, Narihiro; Tago, Keiko; Marumoto, Shinji; Takami, Kazuko; Ori, Mayuko; Yamada, Naho; Koyama, Kazuo; Naruto, Shunji; Abe, Kazumi; Yamazaki, Reina; Hara, Takao; Aoyagi, Atsushi; Abe, Yasuyuki; Kaneko, Tsugio

CORPORATE SOURCE: Research Information Department, Exploratory Chemistry Research Laboratories, Neuroscience and Immunology Research Laboratories, Sankyo Co., Ltd., Shinagawa-ku, Tokyo, 140-8710, Japan

SOURCE: Organic Letters (2002), 4(20), 3359-3362

CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 137:337771

IT 474296-05-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(determination of absolute stereochem. of

(dimethylcarbamoyl)(nitrophenoxyethyl)ben

zylamine, prepared as dual acetylcholinesterase/serotonin transporter

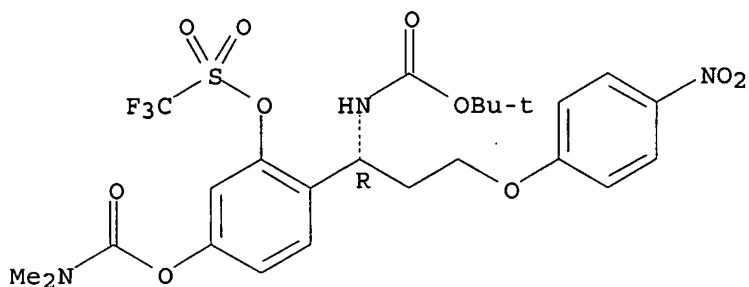
10/629,108

inhibitor for Alzheimer's disease)

RN 474296-05-4 CAPLUS

CN Methanesulfonic acid, trifluoro-, 5-[[[(dimethylamino)carbonyl]oxy]-2-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 444644-93-3P 474295-89-1P

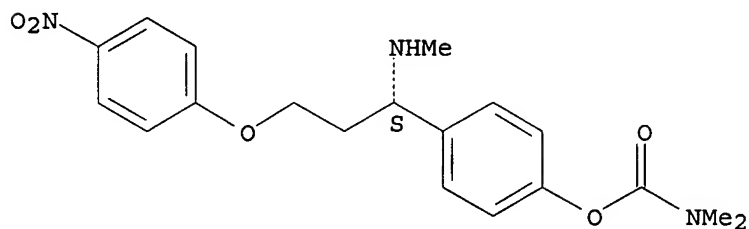
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of chiral (dimethylcarbamoyl)(nitrophenoxyethyl)benzylamine and (dimethylcarbamoyl)(nitrophenoxyethyl)dihydrobenzazepine as dual acetylcholinesterase/serotonin transporter inhibitors for Alzheimer's disease)

RN 444644-93-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

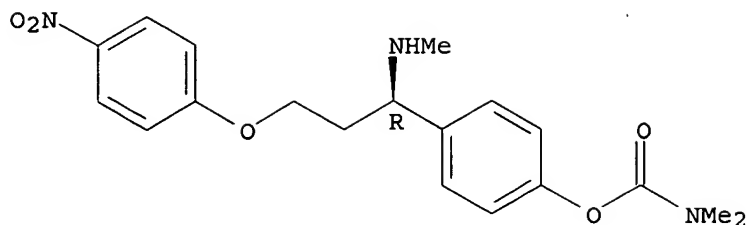


● HCl

RN 474295-89-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 444646-39-3P 444646-40-6P 444667-96-3P
 474295-88-0P 474295-90-4P 474295-96-0P
 474295-97-1P 474295-98-2P 474295-99-3P
 474296-07-6P

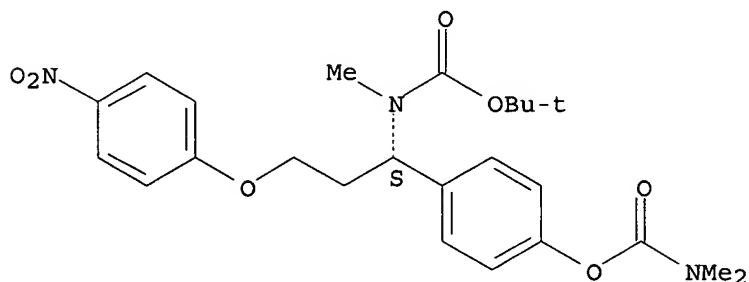
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of chiral (dimethylcarbamoyl)(nitrophenoxyethyl)benzylamine and (dimethylcarbamoyl)(nitrophenoxyethyl)dihydrobenzazepine as dual acetylcholinesterase/serotonin transporter inhibitors for Alzheimer's disease)

RN 444646-39-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[[[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

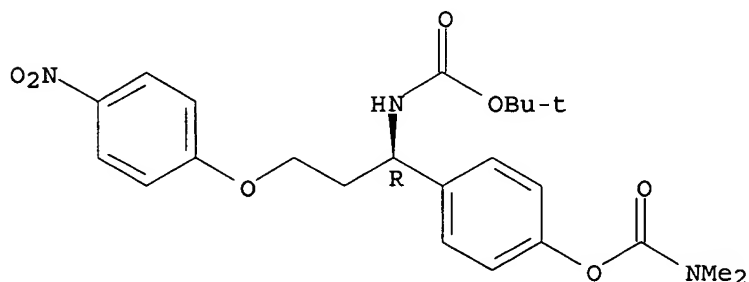
Absolute stereochemistry. Rotation (-).



RN 444646-40-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

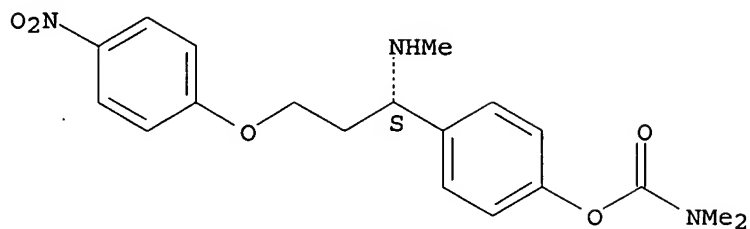


RN 444667-96-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

10/629,108

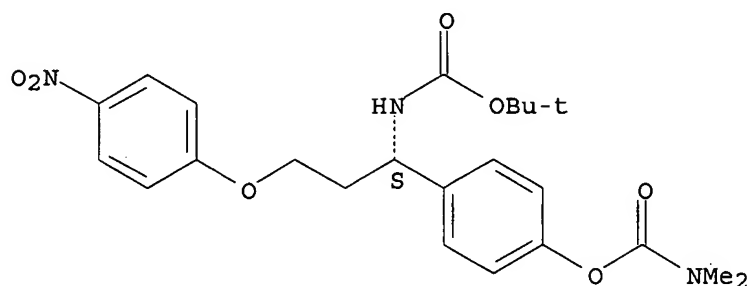
Absolute stereochemistry.



RN 474295-88-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

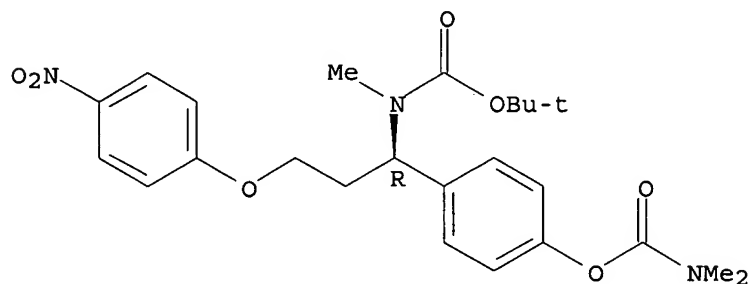
Absolute stereochemistry. Rotation (-).



RN 474295-90-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

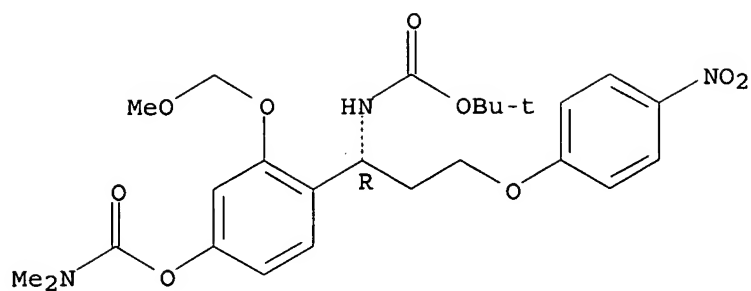


RN 474295-96-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]-3-(methoxymethoxy)phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

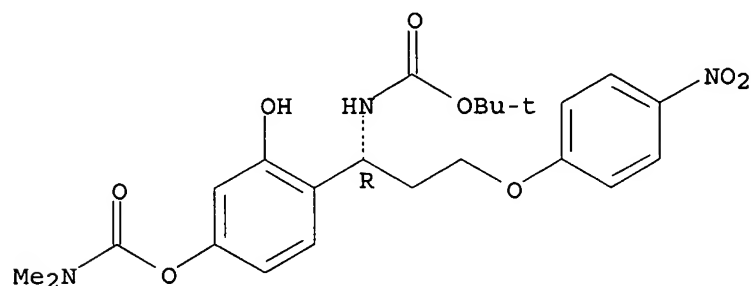
10/629,108



RN 474295-97-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

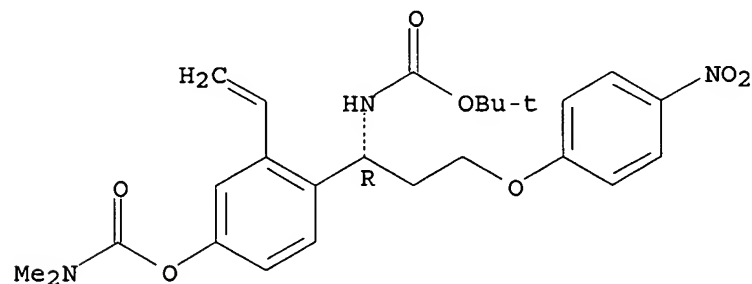
Absolute stereochemistry. Rotation (-).



RN 474295-98-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-(4-nitrophenoxy)propyl]-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

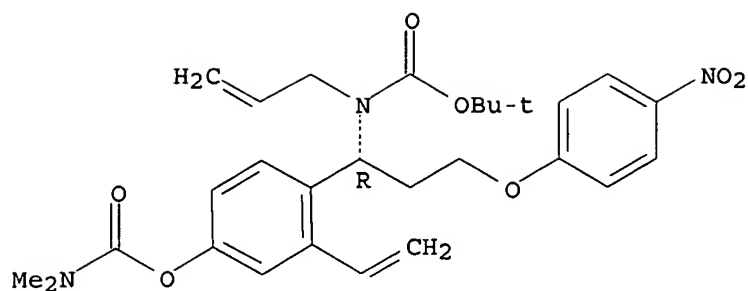
Absolute stereochemistry. Rotation (-).



RN 474295-99-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]-2-propenylamino]-3-(4-nitrophenoxy)propyl]-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

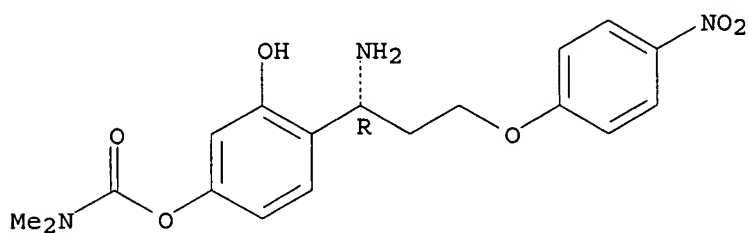
Absolute stereochemistry. Rotation (+).



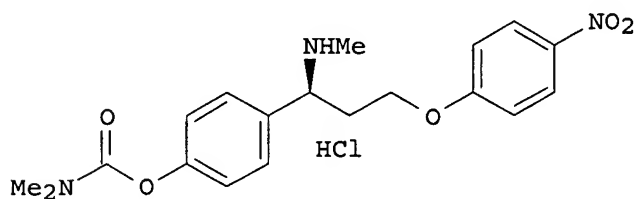
RN 474296-07-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-(4-nitrophenoxy)propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

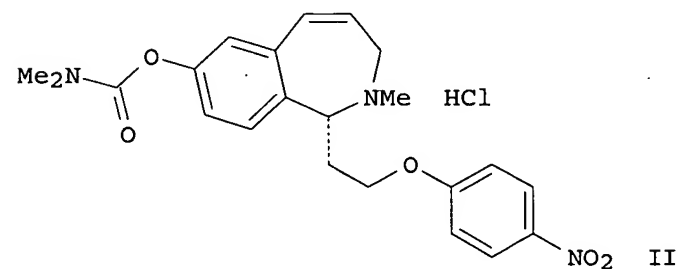
Absolute stereochemistry. Rotation (-).



GI



I



II

AB Highly efficient acetylcholinesterase (AChE) and serotonin transporter (SERT) dual inhibitors, I and II, were designed on the basis of the hypothetical model of AChE active site and synthesized. Both compds.

showed potent inhibitory activities against AChE and SERT.

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 88 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:575038 CAPLUS

DOCUMENT NUMBER: 137:140527

TITLE: Preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor and serotonin reuptake inhibitor

INVENTOR(S): Koyama, Kazuo; Marumoto, Shinji; Toda, Narihiro; Kogen, Hiroshi; Suzuki, Keiko

PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan

SOURCE: PCT Int. Appl., 300 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059074	A1	20020801	WO 2002-JP400	20020122
W: AU, BR, CA, CN, CO, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PH, PL, RU, SG, SK, US, VN, ZA				
° RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2435883	AA	20020801	CA 2002-2435883	20020122
EP 1362844	A1	20031119	EP 2002-716323	20020122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2003176256	A2	20030624	JP 2002-15136	20020124
US 2004067981	A1	20040408	US 2003-629108	20030728
PRIORITY APPLN. INFO.:			JP 2001-18386	A 20010126
			JP 2001-305182	A 20011001
			WO 2002-JP400	W 20020122

OTHER SOURCE(S): MARPAT 137:140527

IT 444644-26-2P 444644-76-2P 444644-78-4P
 444644-93-3P 444645-18-5P 444645-33-4P
 444645-35-6P 444645-37-8P 444645-45-8P
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 444645-78-7P

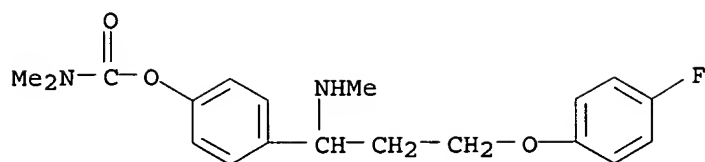
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor)

RN 444644-26-2 CAPLUS

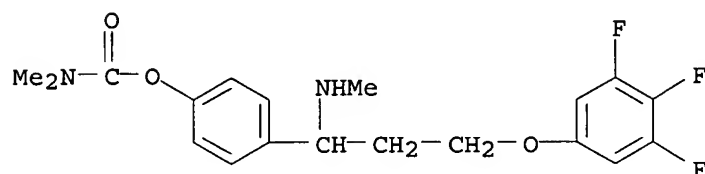
CN Carbamic acid, dimethyl-, 4-[3-(4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



● HCl

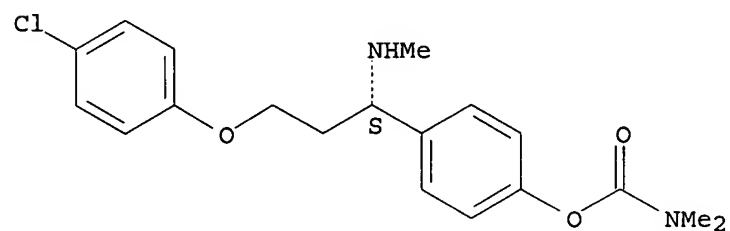
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CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3,4,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-78-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

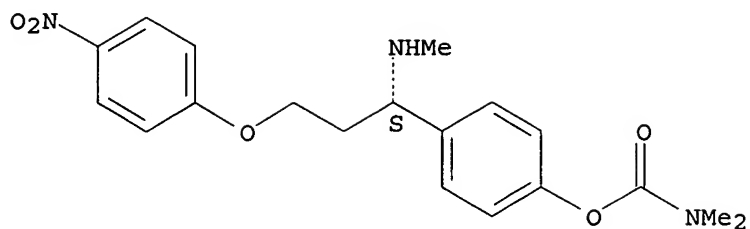


● HCl

RN 444644-93-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

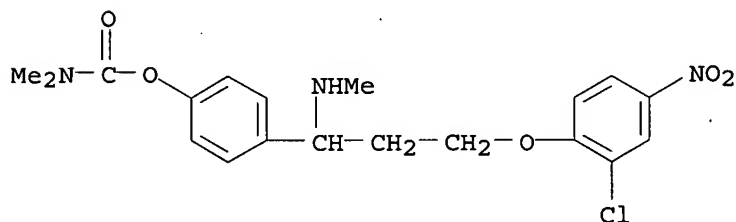
Absolute stereochemistry.

10/629,108



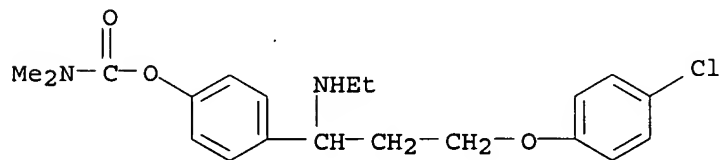
● HCl

RN 444645-18-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-chloro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

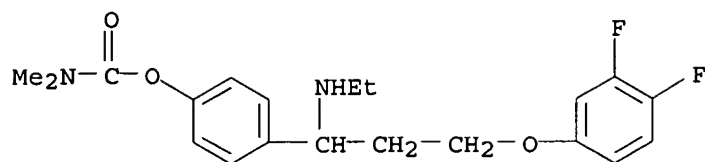
RN 444645-33-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(ethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-35-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(ethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

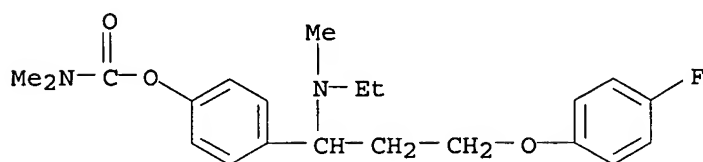
10/629,108



● HCl

RN 444645-37-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(ethylmethlamino)-3-(4-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

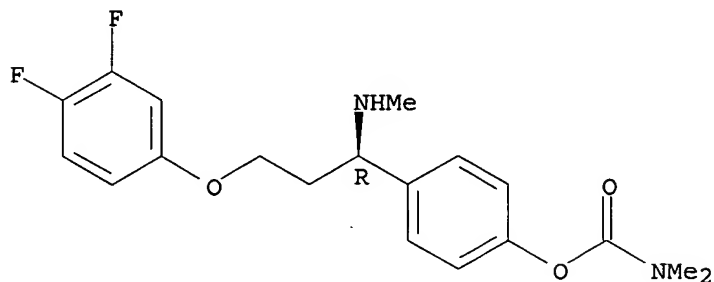


● HCl

RN 444645-45-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3,4-difluorophenoxy)-1-(methlamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

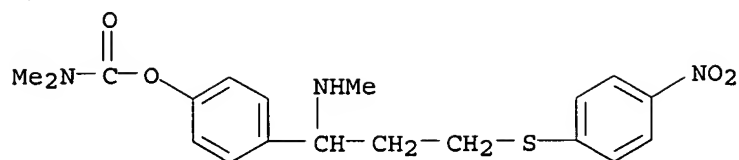


● HCl

RN 444645-47-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methlamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

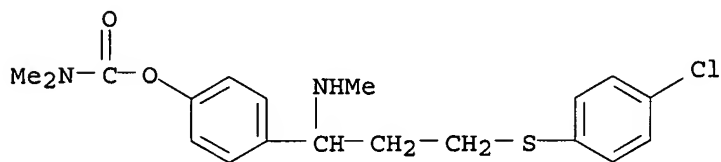
10/629,108



● HCl

RN 444645-49-2 CAPLUS

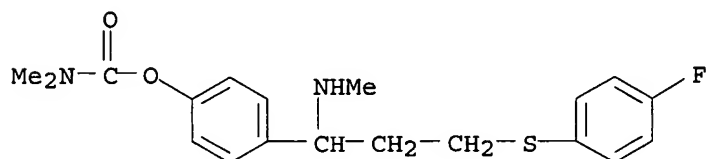
CN Carbamic acid, dimethyl-, 4-[3-[(4-chlorophenyl)thio]-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-51-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[(4-fluorophenyl)thio]-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



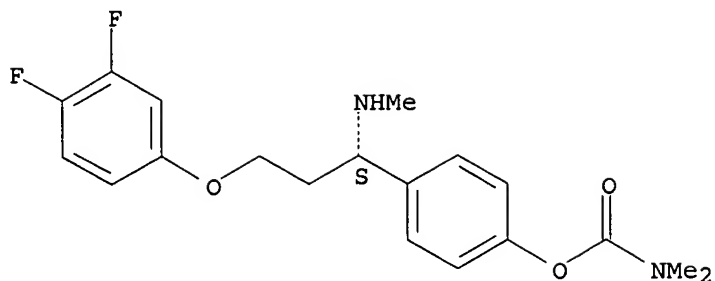
● HCl

RN 444645-56-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3,4-difluorophenoxy)-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

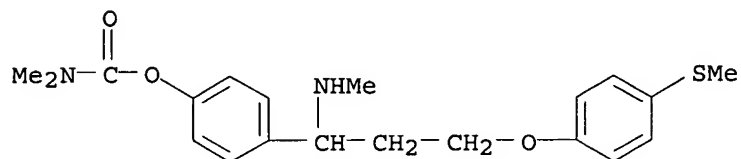
Absolute stereochemistry.

10/629,108



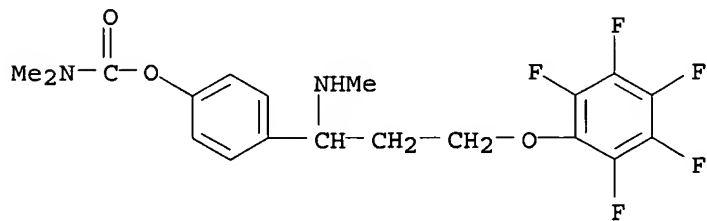
● HCl

RN 444645-69-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

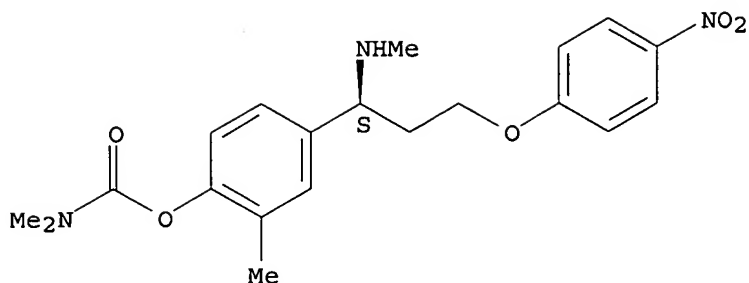
RN 444645-73-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(pentafluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-78-7 CAPLUS
CN Carbamic acid, dimethyl-, 2-methyl-4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 444644-13-7P 444644-14-8P 444644-15-9P
 444644-25-1P 444644-27-3P 444644-32-0P
 444644-33-1P 444644-34-2P 444644-35-3P
 444644-36-4P 444644-37-5P 444644-39-7P
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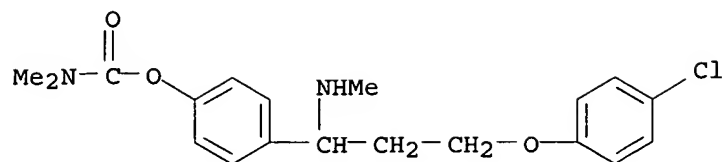
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor)

RN 444644-13-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-
 (methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

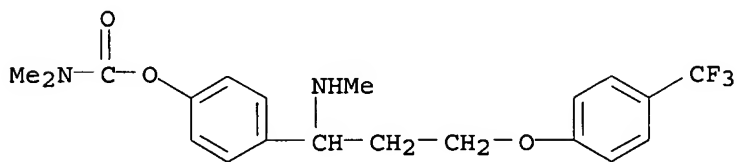
10/629,108



● HCl

RN 444644-14-8 CAPLUS

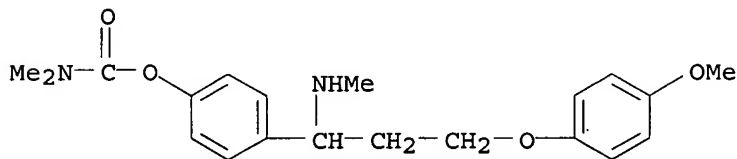
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-15-9 CAPLUS

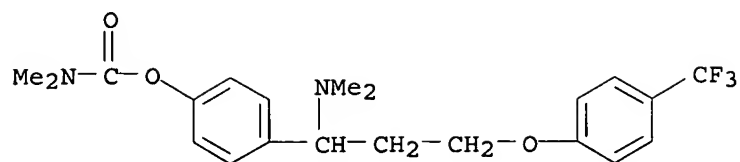
CN Carbamic acid, dimethyl-, 4-[3-(4-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-25-1 CAPLUS

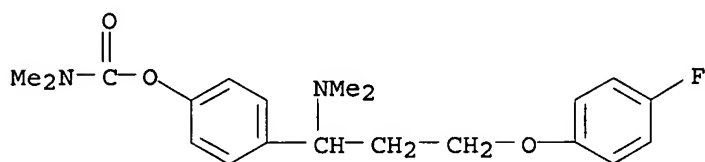
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[4-(trifluoromethyl)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-27-3 CAPLUS

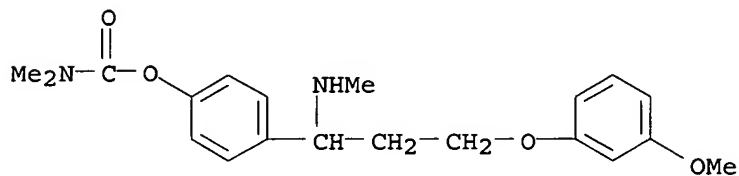
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-32-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(3-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

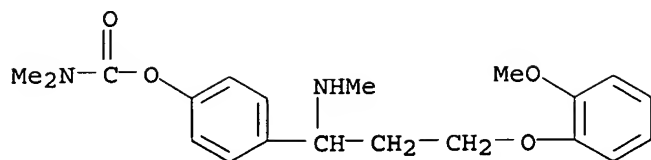


● HCl

RN 444644-33-1 CAPLUS

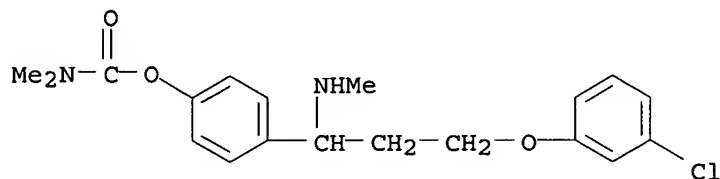
CN Carbamic acid, dimethyl-, 4-[3-(2-methoxyphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



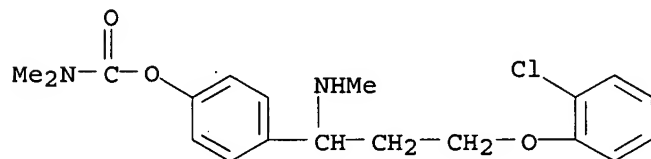
● HCl

RN 444644-34-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3-chlorophenoxy)-1-(methanimino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

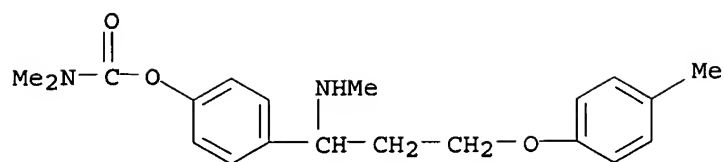
RN 444644-35-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-chlorophenoxy)-1-(methanimino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-36-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methanimino)-3-(4-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

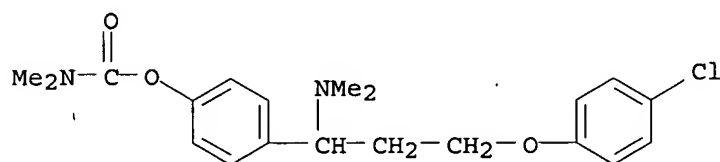
10/629,108



● HCl

RN 444644-37-5 CAPLUS

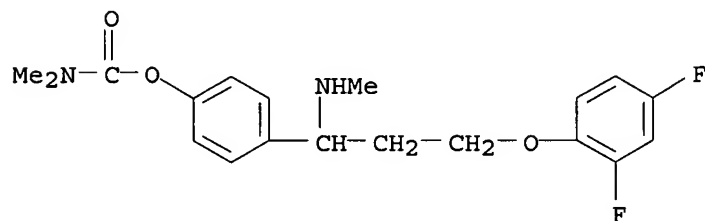
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-39-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(2,4-difluorophenoxy)-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

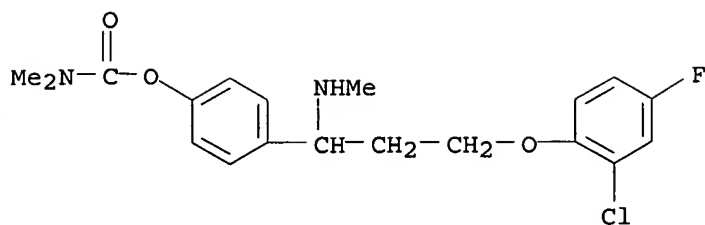


● HCl

RN 444644-40-0 CAPLUS

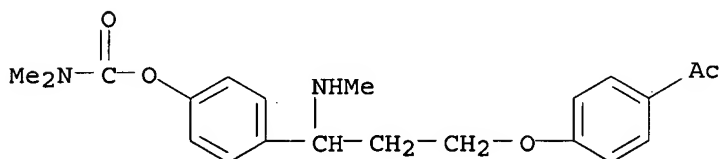
CN Carbamic acid, dimethyl-, 4-[3-(2-chloro-4-fluorophenoxy)-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



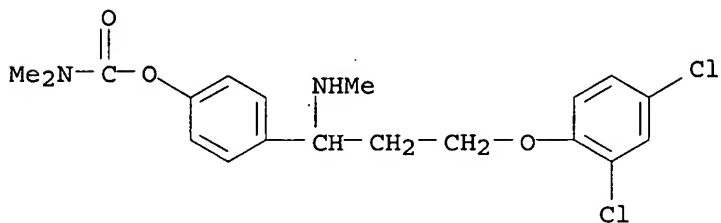
● HCl

RN 444644-41-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-acetylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

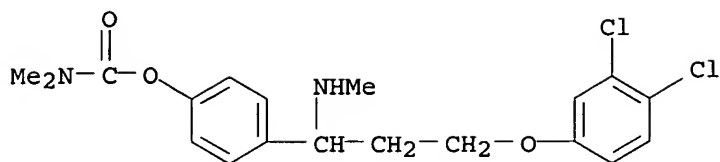
RN 444644-42-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2,4-dichlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

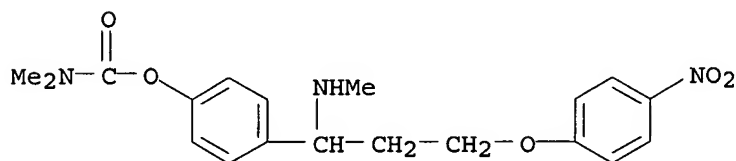
RN 444644-43-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-dichlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



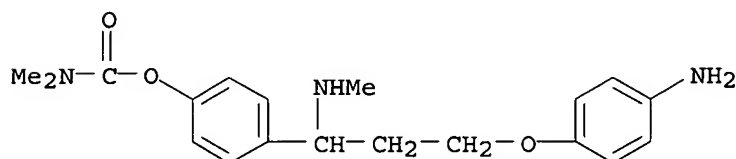
● HCl

RN 444644-44-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

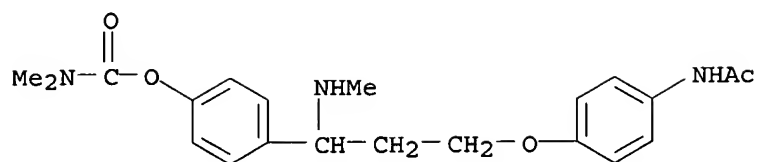
RN 444644-45-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-aminophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

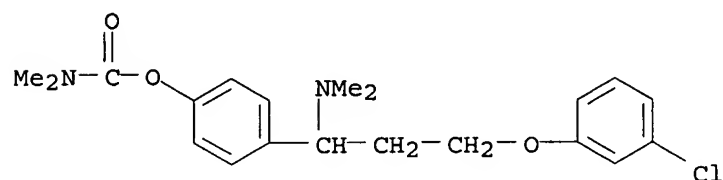
RN 444644-46-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[4-(acetamino)phenoxy]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



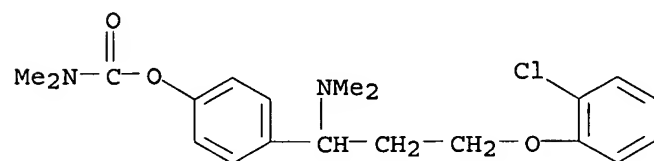
● HCl

RN 444644-47-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

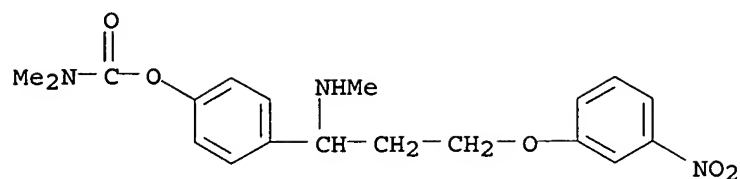
RN 444644-48-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-chlorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

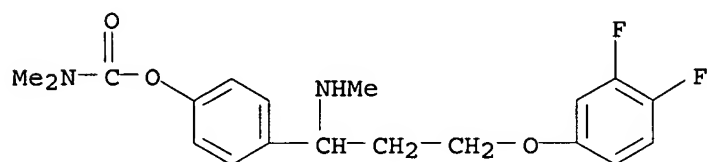
RN 444644-49-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methlamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



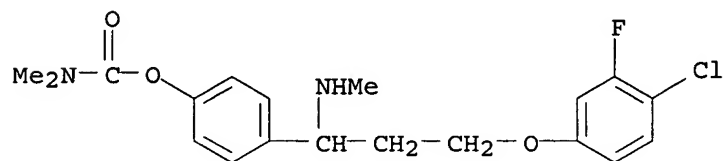
● HCl

RN 444644-50-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

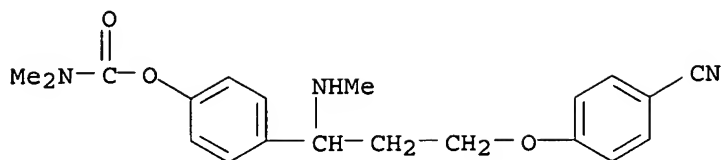
RN 444644-51-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-52-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-cyanophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

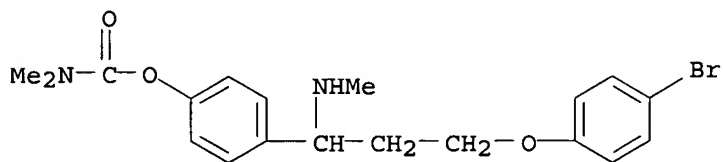
10/629,108



● HCl

RN 444644-53-5 CAPLUS

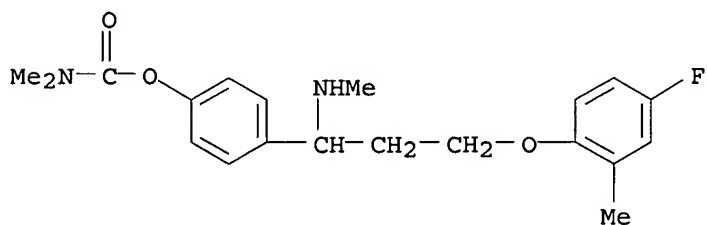
CN Carbamic acid, dimethyl-, 4-[3-(4-bromophenoxy)-1-(methyldimethylcarbamoyl)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-54-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-fluoro-2-methylphenoxy)-1-(methyldimethylcarbamoyl)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

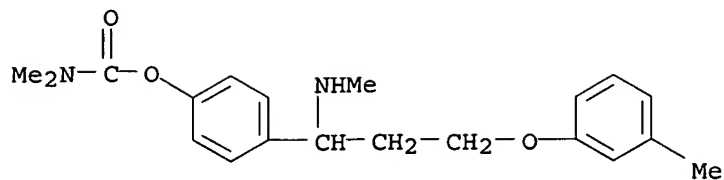


● HCl

RN 444644-55-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(methyldimethylcarbamoyl)-3-(3-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

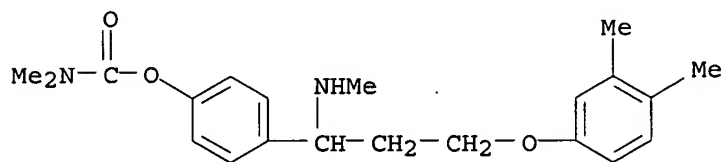
10/629,108



● HCl

RN 444644-56-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(3,4-dimethylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

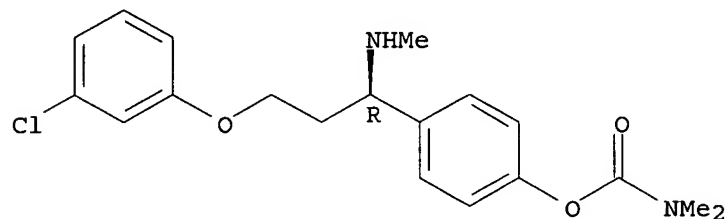


● HCl

RN 444644-57-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



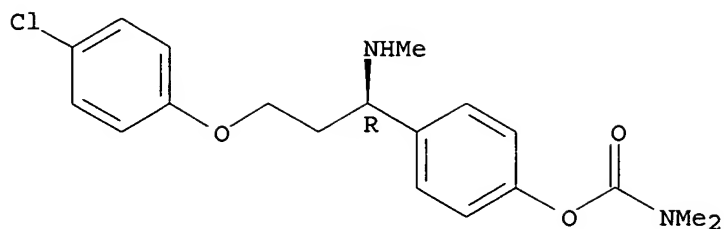
● HCl

RN 444644-58-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

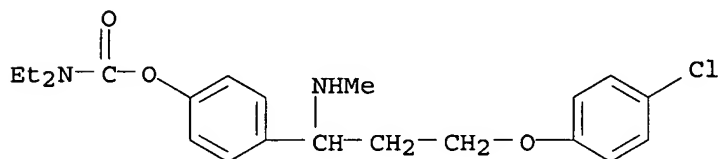
10/629,108



● HCl

RN 444644-59-1 CAPLUS

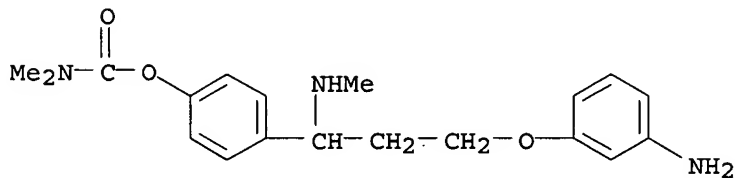
CN Carbamic acid, diethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-60-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(3-aminophenoxy)-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

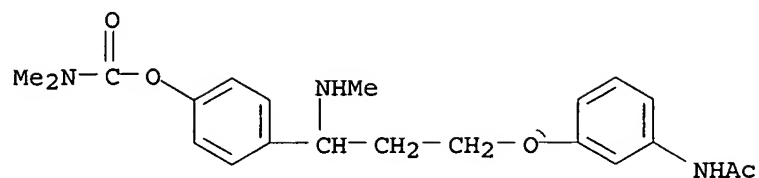


● 2 HCl

RN 444644-61-5 CAPLUS

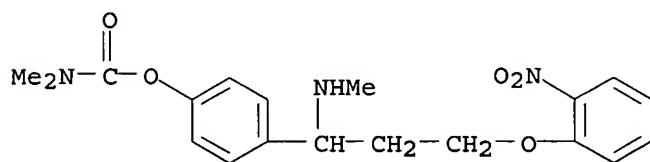
CN Carbamic acid, dimethyl-, 4-[3-[3-(acetamino)phenoxy]-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



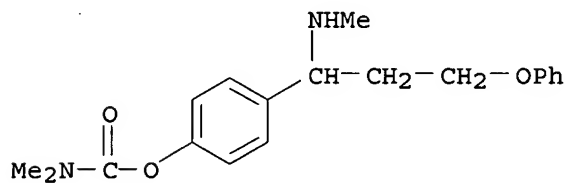
● HCl

RN 444644-62-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

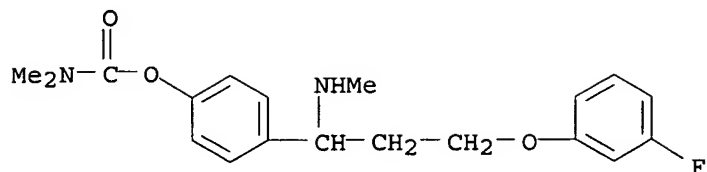
RN 444644-63-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-phenoxypropyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

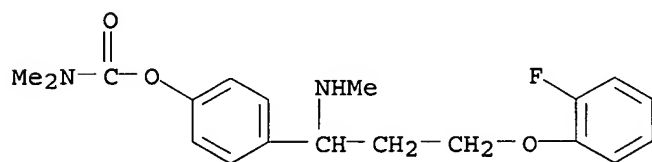
RN 444644-64-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



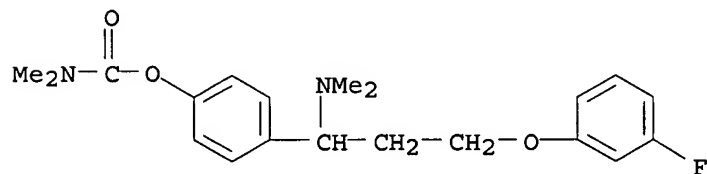
● HCl

RN 444644-65-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

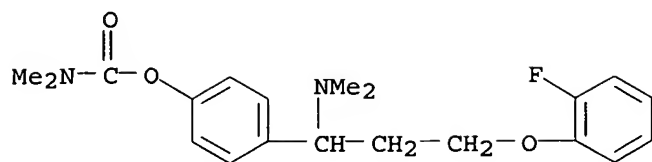
RN 444644-66-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-67-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(2-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

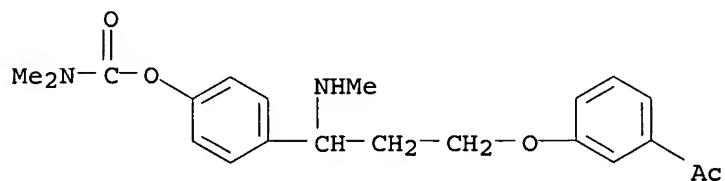
10/629,108



● HCl

RN 444644-68-2 CAPLUS

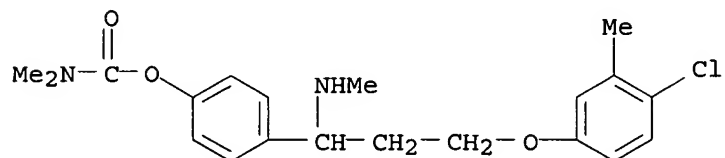
CN Carbamic acid, dimethyl-, 4-[3-(3-acetylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-69-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-methylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

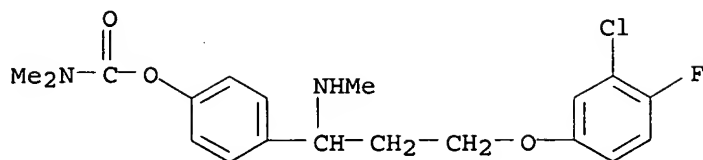


● HCl

RN 444644-70-6 CAPLUS

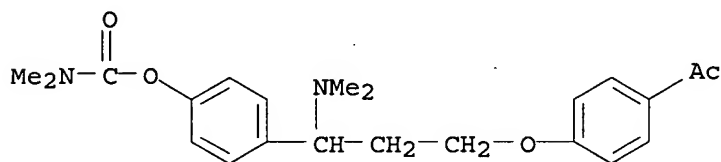
CN Carbamic acid, dimethyl-, 4-[3-(3-chloro-4-fluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



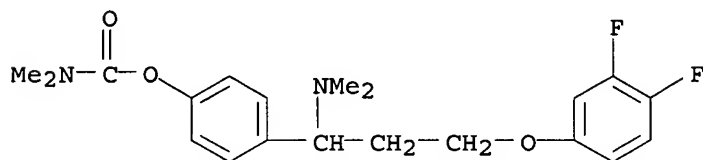
● HCl

RN 444644-71-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-acetylphenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI). (CA INDEX NAME)



● HCl

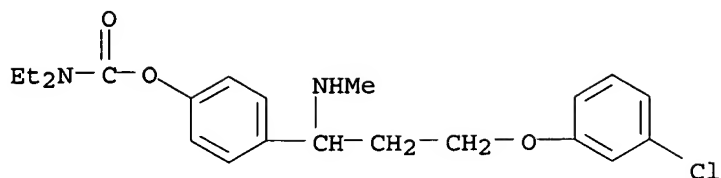
RN 444644-72-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

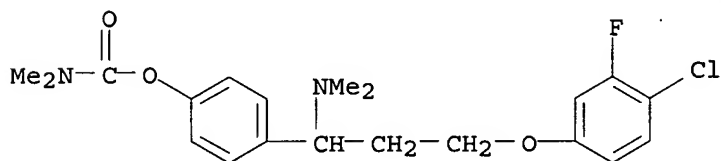
RN 444644-73-9 CAPLUS
CN Carbamic acid, diethyl-, 4-[3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



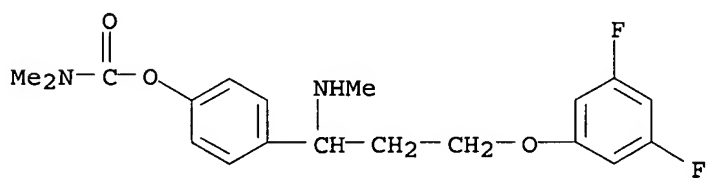
● HCl

RN 444644-74-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-fluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-75-1 CAPLUS
CN Carbamic acid; dimethyl-, 4-[3-(3,5-difluorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

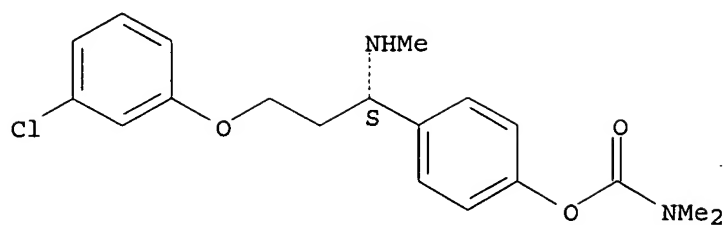


● HCl

RN 444644-77-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

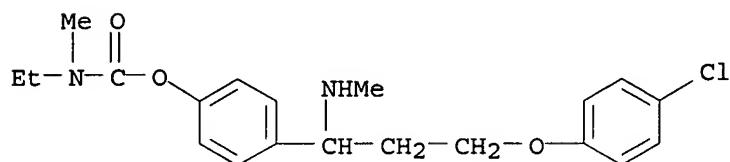
Absolute stereochemistry.

10/629,108



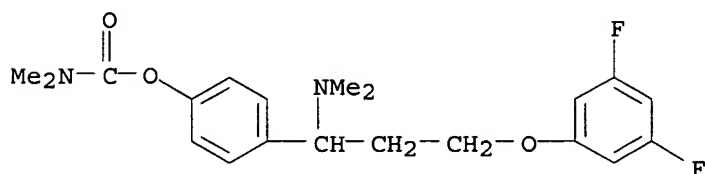
● HCl

RN 444644-79-5 CAPLUS
CN Carbamic acid, ethylmethyl-, 4-[3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

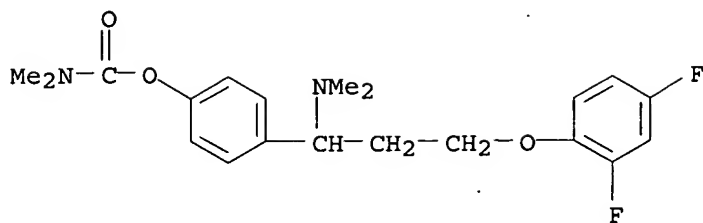
RN 444644-80-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,5-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-81-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

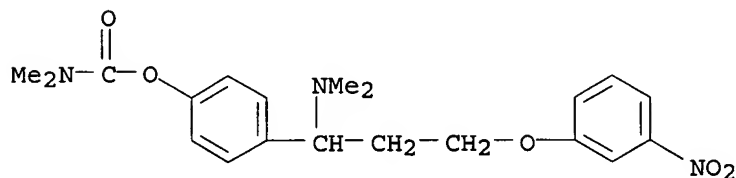
10/629,108



● HCl

RN 444644-82-0 CAPLUS

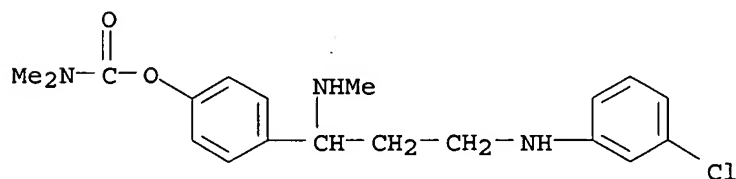
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-83-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[(3-chlorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

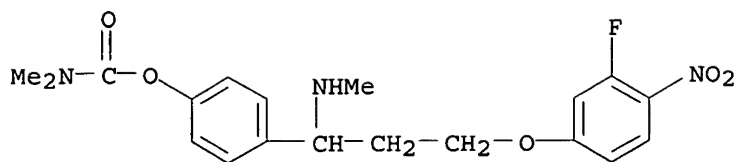


● 2 HCl

RN 444644-84-2 CAPLUS

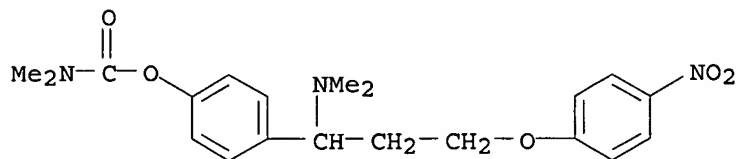
CN Carbamic acid, dimethyl-, 4-[3-(3-fluoro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



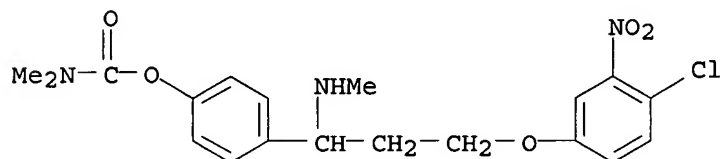
● HCl

RN 444644-85-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

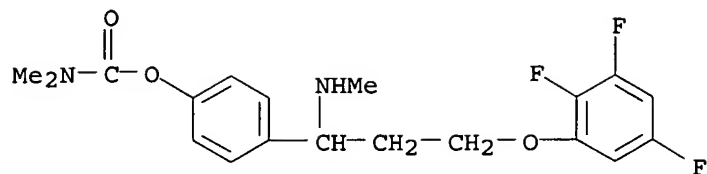
RN 444644-86-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-3-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

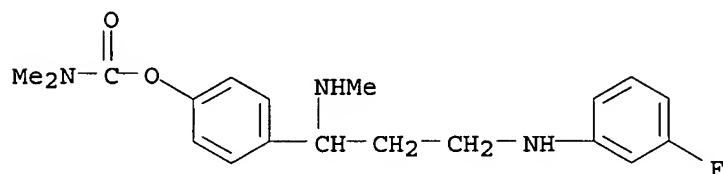
RN 444644-87-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2,3,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



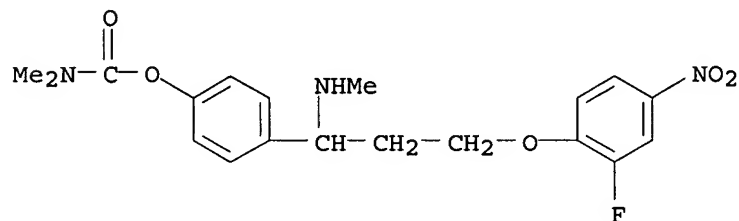
● HCl

RN 444644-88-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[(3-fluorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

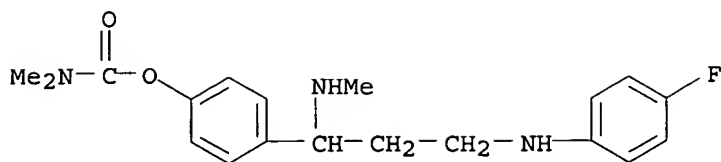
RN 444644-91-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(2-fluoro-4-nitrophenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444644-92-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[(4-fluorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

10/629,108

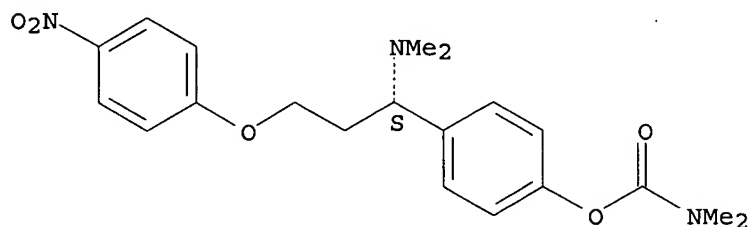


● 2 HCl

RN 444644-94-4 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

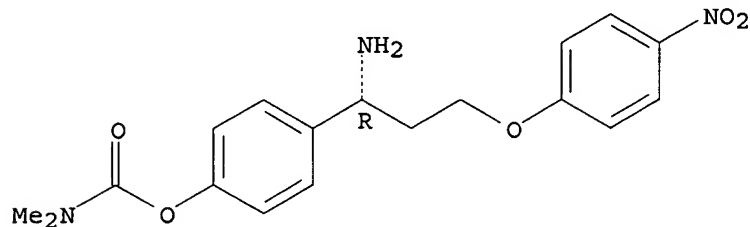


● HCl

RN 444644-95-5 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



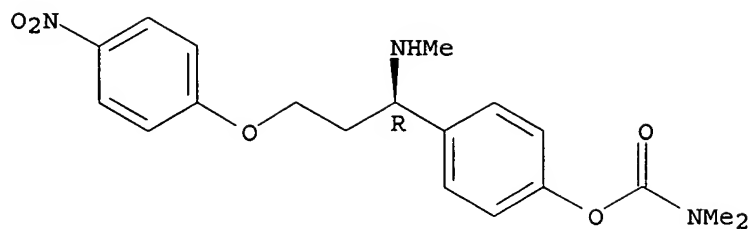
● HCl

RN 444644-96-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

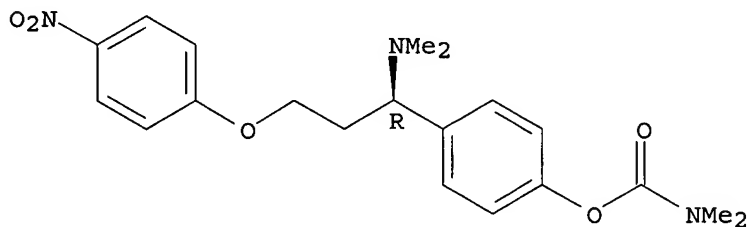
10/629,108



● HCl

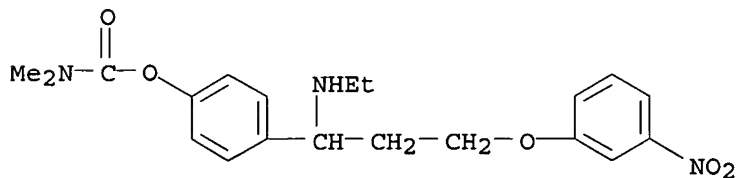
RN 444644-97-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1R)-1-(dimethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

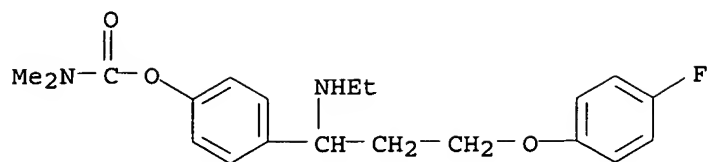
RN 444645-00-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(3-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

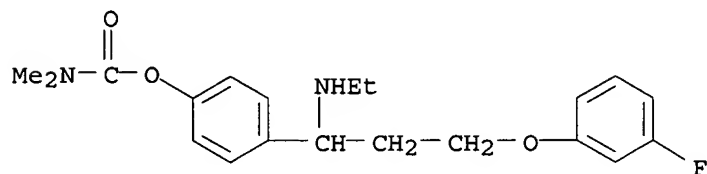
RN 444645-01-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



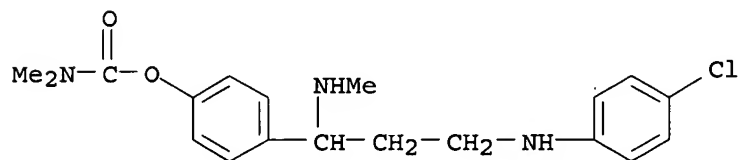
● HCl

RN 444645-02-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(3-fluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



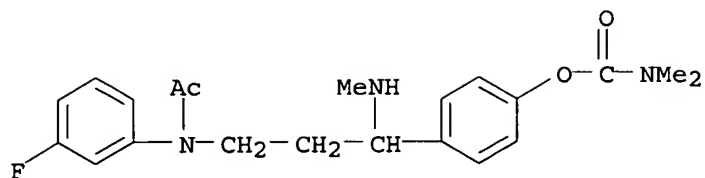
● HCl

RN 444645-04-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[(4-chlorophenyl)amino]-1-(methyamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



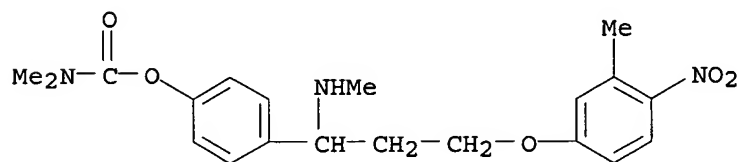
● 2 HCl

RN 444645-05-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[acetyl(3-fluorophenyl)amino]-1-(methyamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



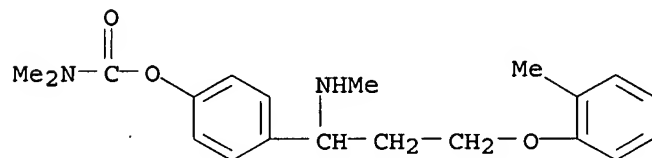
● HCl

RN 444645-06-1 CAPLUS
 CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(3-methyl-4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

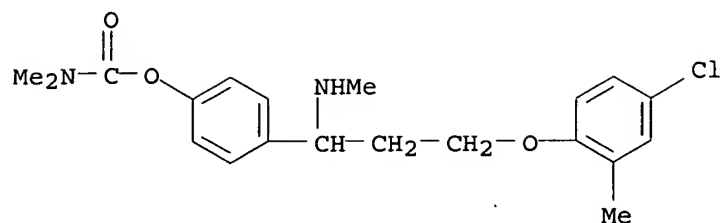
RN 444645-07-2 CAPLUS
 CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-(2-methylphenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

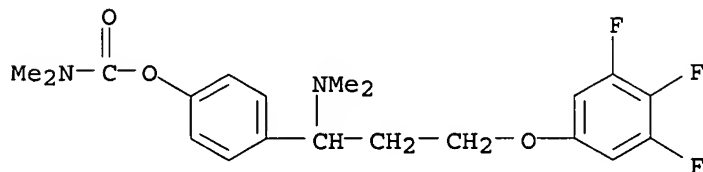
RN 444645-08-3 CAPLUS
 CN Carbamic acid, dimethyl-, 4-[3-(4-chloro-2-methylphenoxy)-1-(methylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



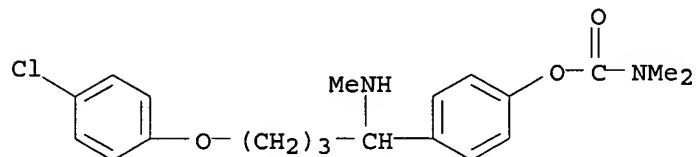
● HCl

RN 444645-09-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(3,4,5-trifluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

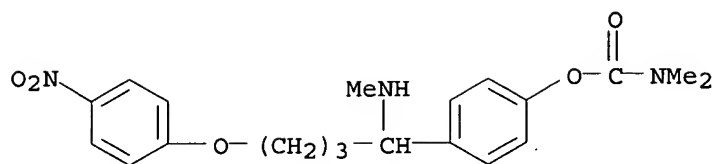
RN 444645-10-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[4-(4-chlorophenoxy)-1-(methylamino)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

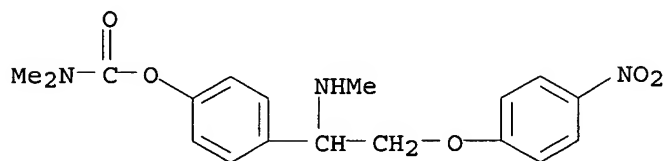
RN 444645-11-8 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-4-(4-chlorophenoxy)butyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



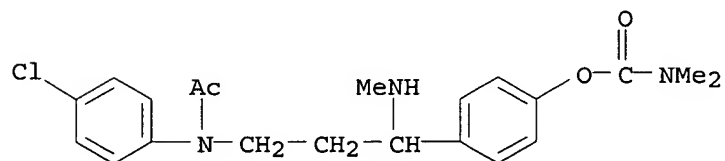
● HCl

RN 444645-12-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-2-(4-nitrophenoxy)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

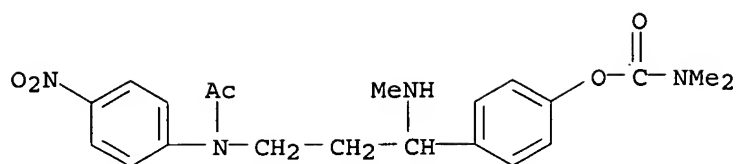
RN 444645-13-0 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-chlorophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

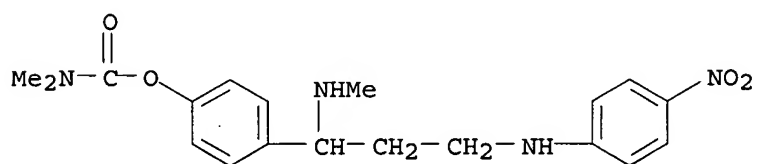
RN 444645-14-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-[acetyl(4-nitrophenyl)amino]-1-(methylamino)propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)

10/629,108



● 2 HCl

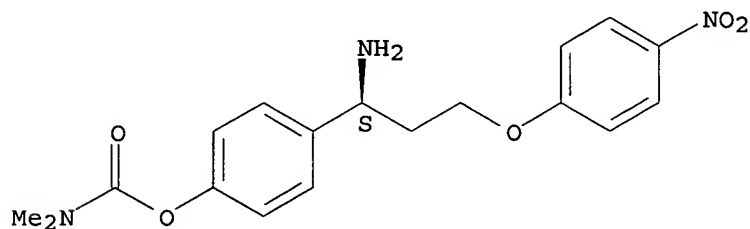
RN 444645-15-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(methylamino)-3-[(4-nitrophenyl)amino]propyl]phenyl ester, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 444645-17-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-amino-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

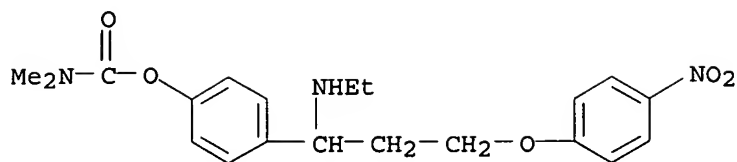
Absolute stereochemistry.



● HCl

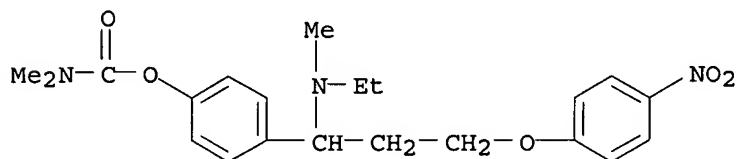
RN 444645-31-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



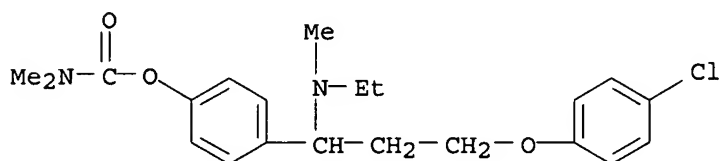
● HCl

RN 444645-32-3 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(ethylmethlamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

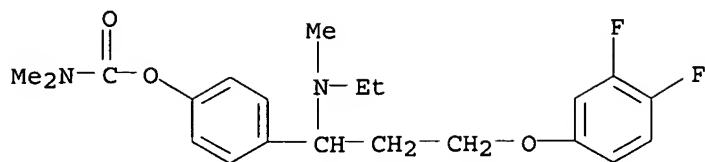
RN 444645-34-5 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(ethylmethlamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-36-7 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(3,4-difluorophenoxy)-1-(ethylmethlamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108

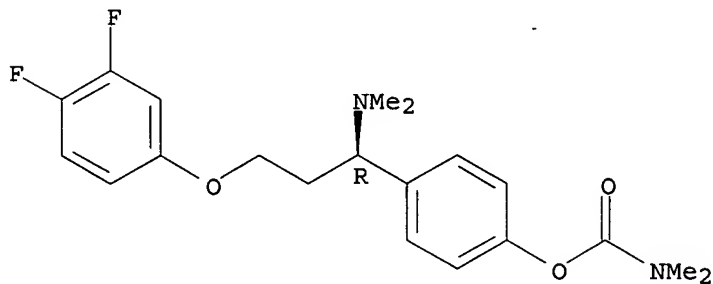


● HCl

RN 444645-46-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

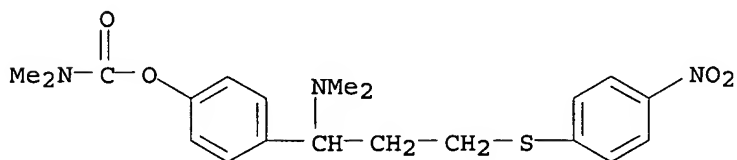
Absolute stereochemistry.



● HCl

RN 444645-48-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[(4-nitrophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

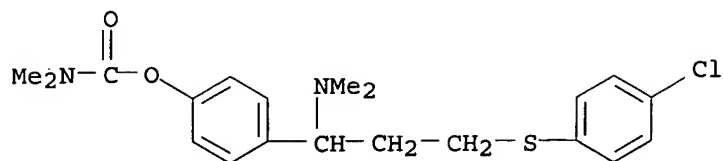


● HCl

RN 444645-50-5 CAPLUS

CN Carbamic acid, dimethyl-, 4-[3-[(4-chlorophenyl)thio]-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

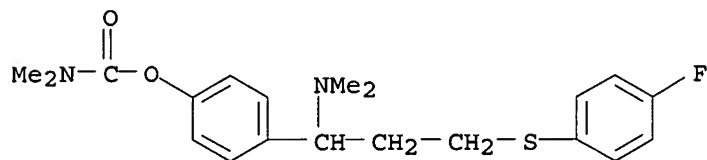
10/629,108



● HCl

RN 444645-52-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[(4-fluorophenyl)thio]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

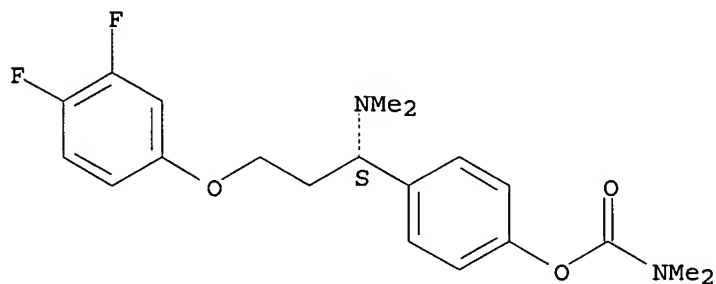


● HCl

RN 444645-57-2 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-3-(3,4-difluorophenoxy)-1-(dimethylamino)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 444645-59-4 CAPLUS

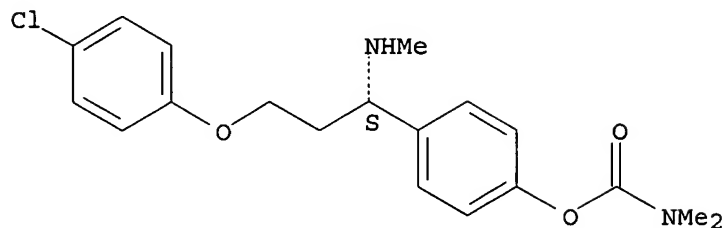
CN Carbamic acid, dimethyl-, 4-[(1S)-3-(4-chlorophenoxy)-1-(methylamino)propyl]phenyl ester, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

10/629,108

CRN 444645-58-3
CMF C19 H23 Cl N2 O3

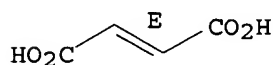
Absolute stereochemistry.



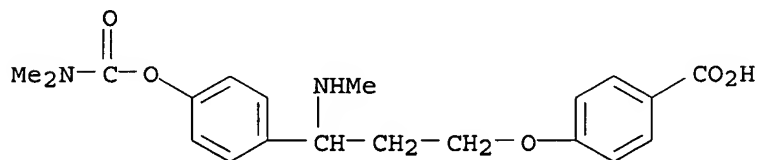
CM 2

CRN 110-17-8
CMF C4 H4 O4

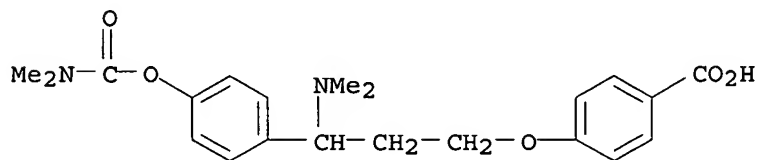
Double bond geometry as shown.



RN 444645-60-7 CAPLUS
CN Benzoic acid, 4-[3-[4-[[(dimethylamino) carbonyl] oxy] phenyl]-3-(methylamino)propoxy]- (9CI) (CA INDEX NAME)

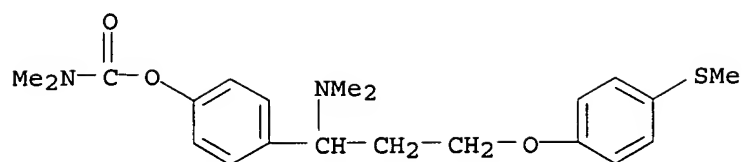


RN 444645-61-8 CAPLUS
CN Benzoic acid, 4-[3-(dimethylamino)-3-[4-[[(dimethylamino) carbonyl] oxy] phenyl]propoxy]- (9CI) (CA INDEX NAME)



RN 444645-70-9 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108

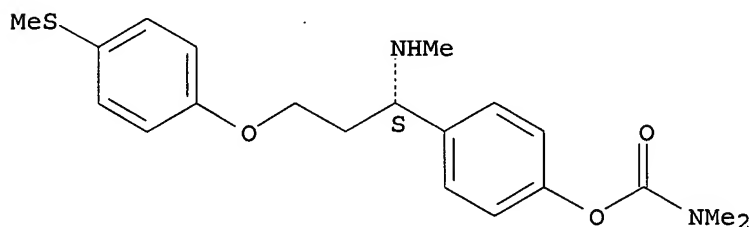


● HCl

RN 444645-71-0 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methyldimethylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

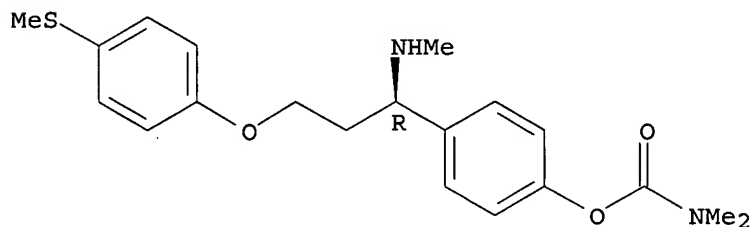


● HCl

RN 444645-72-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-(methyldimethylamino)-3-[4-(methylthio)phenoxy]propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

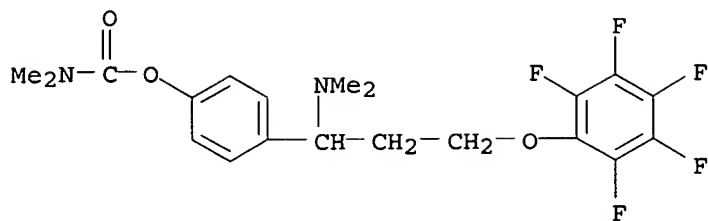


● HCl

RN 444645-76-5 CAPLUS

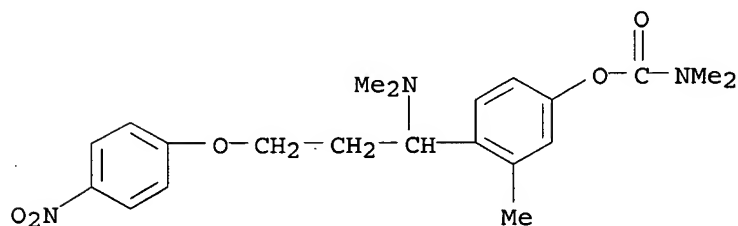
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(pentafluorophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



● HCl

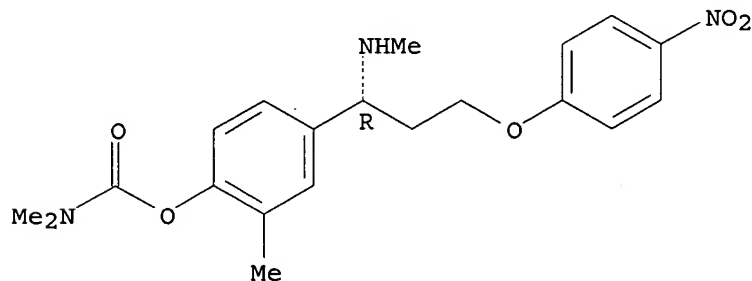
RN 444645-77-6 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-(4-nitrophenoxy)propyl]-3-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 444645-79-8 CAPLUS
CN Carbamic acid, dimethyl-, 2-methyl-4-[(1R)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

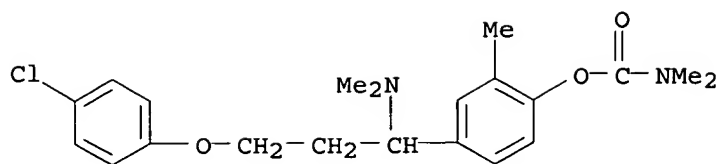
Absolute stereochemistry.



● HCl

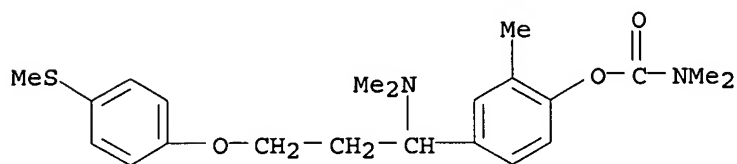
RN 444645-80-1 CAPLUS
CN Carbamic acid, dimethyl-, 4-[3-(4-chlorophenoxy)-1-(dimethylamino)propyl]-2-methylphenyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/629,108



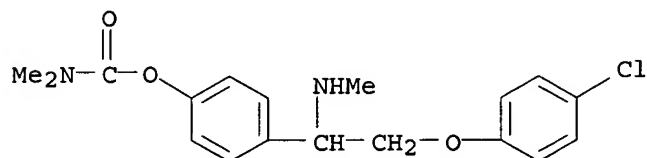
● HCl

RN 444645-81-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[1-(dimethylamino)-3-[4-(methylthio)phenoxy]propyl]-2-methylphenyl ester, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

RN 444667-95-2 CAPLUS
CN Carbamic acid, dimethyl-, 4-[2-(4-chlorophenoxy)-1-(methylamino)ethyl]phenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

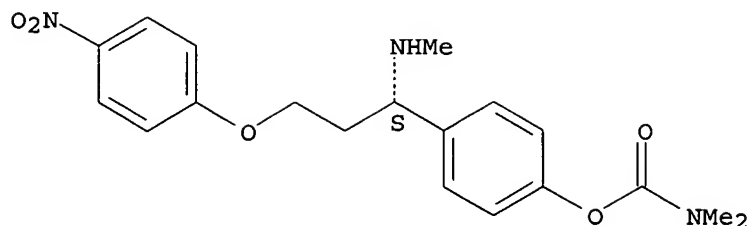
RN 444667-97-4 CAPLUS
CN Carbamic acid, dimethyl-, 4-[(1S)-1-(methylamino)-3-(4-nitrophenoxy)propyl]phenyl ester, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 444667-96-3
CMF C19 H23 N3 O5

Absolute stereochemistry.

10/629,108

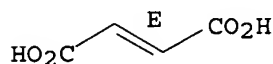


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



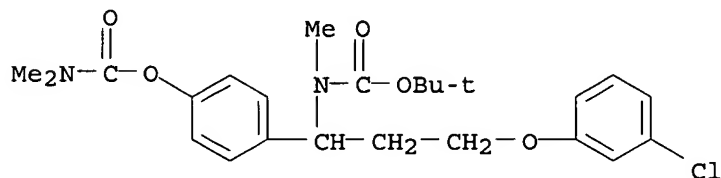
IT 444646-22-4P 444646-23-5P 444646-24-6P
444646-25-7P 444646-26-8P 444646-29-1P
444646-30-4P 444646-31-5P 444646-32-6P
444646-33-7P 444646-35-9P 444646-36-0P
444646-39-3P 444646-40-6P 444646-49-5P
444646-82-6P 444646-83-7P 444646-84-8P
444646-85-9P 444646-89-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of alkylcarbamic acid esters as acetylcholinesterase inhibitor)

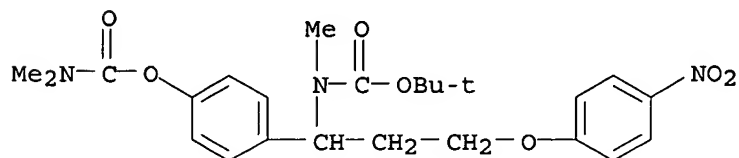
RN 444646-22-4 CAPLUS

CN Carbamic acid, [3-(3-chlorophenoxy)-1-[4-[[dimethylamino]carbonyloxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-23-5 CAPLUS

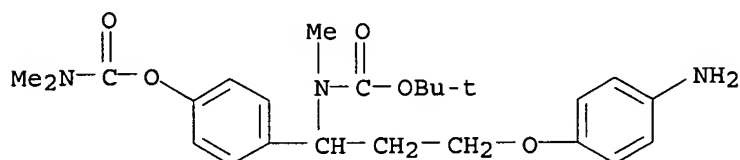
CN Carbamic acid, dimethyl-, 4-[1-[[[(1,1-dimethylethoxy)carbonyl]methylamino]-3-(4-nitrophenoxy)propyl]phenyl] ester (9CI) (CA INDEX NAME)



RN 444646-24-6 CAPLUS

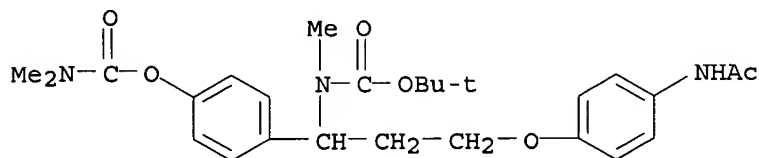
10/629,108

CN Carbamic acid, [3-(4-aminophenoxy)-1-[4-[[dimethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



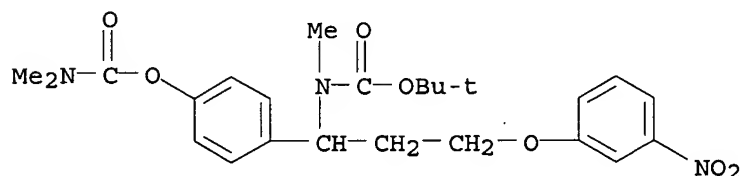
RN 444646-25-7 CAPLUS

CN Carbamic acid, [3-[4-(acetylamino)phenoxy]-1-[4-[[dimethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-26-8 CAPLUS

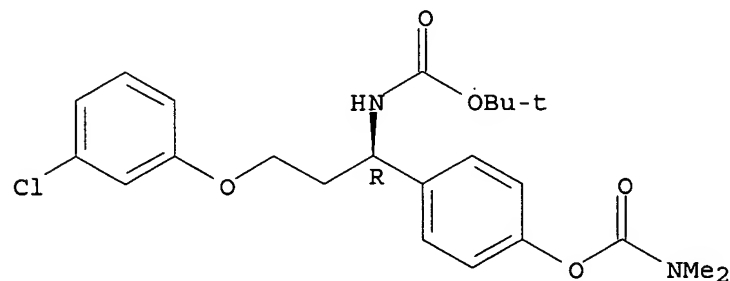
CN Carbamic acid, dimethyl-, 4-[1-[[1,1-dimethylethoxy)carbonyl]methylamino]-3-(3-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)



RN 444646-29-1 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-3-(3-chlorophenoxy)-1-[[1,1-dimethylethoxy)carbonyl]amino]propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



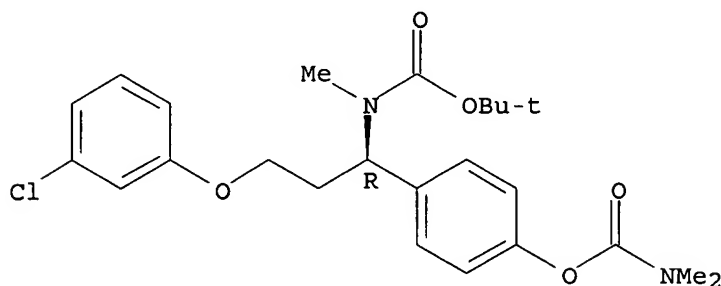
RN 444646-30-4 CAPLUS

CN Carbamic acid, [(1R)-3-(3-chlorophenoxy)-1-[4-

10/629,108

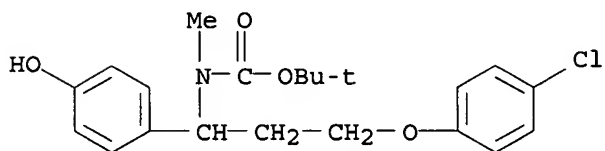
[[[(dimethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



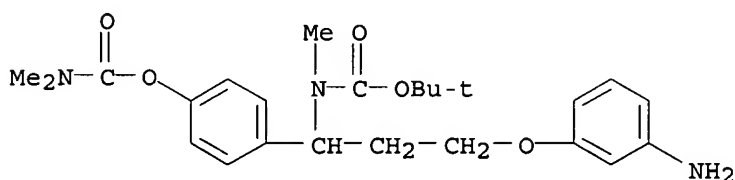
RN 444646-31-5 CAPLUS

CN Carbamic acid, [3-(4-chlorophenoxy)-1-(4-hydroxyphenyl)propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



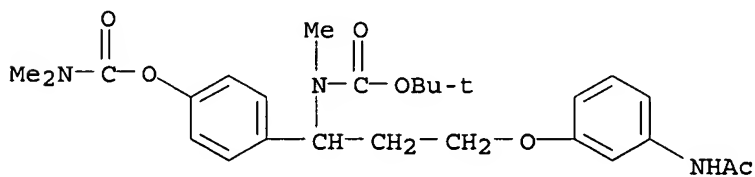
RN 444646-32-6 CAPLUS

CN Carbamic acid, [3-(3-aminophenoxy)-1-[4-[[[(dimethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-33-7 CAPLUS

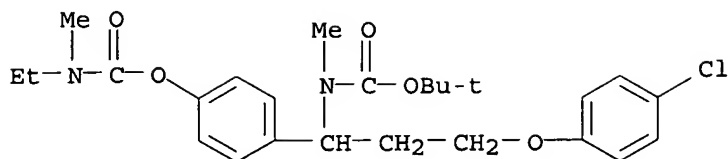
CN Carbamic acid, [3-[3-(acetylamino)phenoxy]-1-[4-[[[(dimethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-35-9 CAPLUS

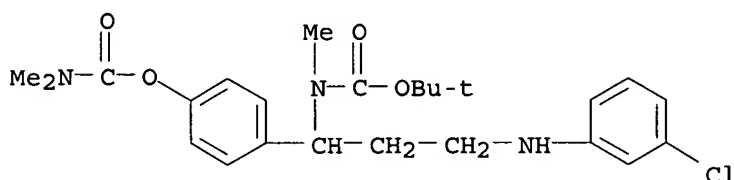
CN Carbamic acid, [3-(4-chlorophenoxy)-1-[4-[[[(ethylmethylamino)carbonyl]oxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/629,108



RN 444646-36-0 CAPLUS

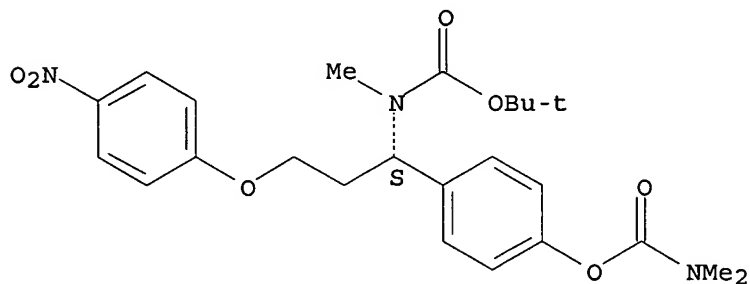
CN Carbamic acid, [3-[(3-chlorophenyl)amino]-1-[4-[[dimethylamino]carbonyloxy]phenyl]propyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 444646-39-3 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1S)-1-[[1,1-dimethylethoxy]carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

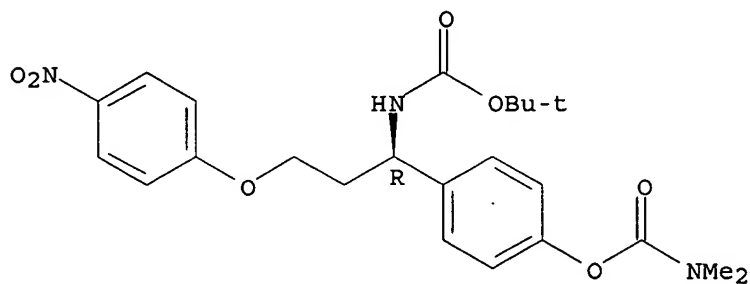
Absolute stereochemistry. Rotation (-).



RN 444646-40-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[1,1-dimethylethoxy]carbonyl]amino]-3-(4-nitrophenoxy)propyl]phenyl ester (9CI) (CA INDEX NAME)

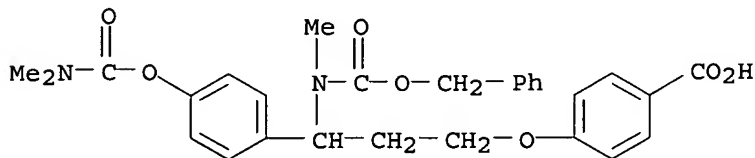
Absolute stereochemistry. Rotation (+).



10/629,108

RN 444646-49-5 CAPLUS

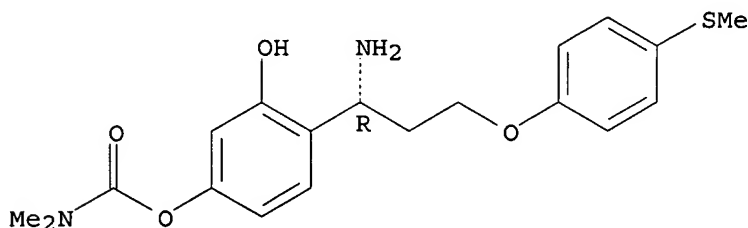
CN Benzoic acid, 4-[3-[4-[[(dimethylamino)carbonyl]oxy]phenyl]-3-[methyl[(phenylmethoxy)carbonyl]amino]propoxy]- (9CI) (CA INDEX NAME)



RN 444646-82-6 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-amino-3-[4-(methylthio)phenoxy]propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

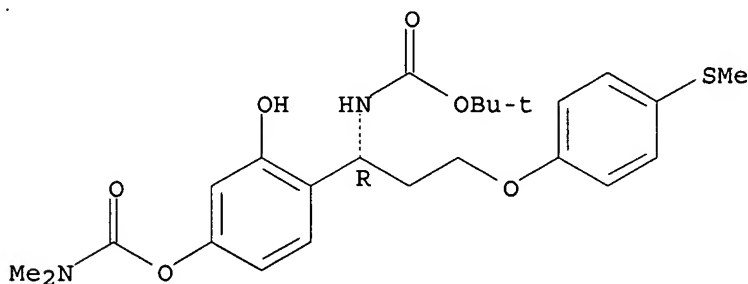
Absolute stereochemistry.



RN 444646-83-7 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propyl]-3-hydroxyphenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

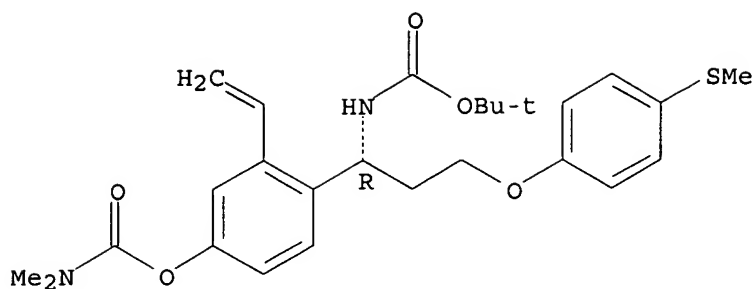


RN 444646-84-8 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propyl]-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

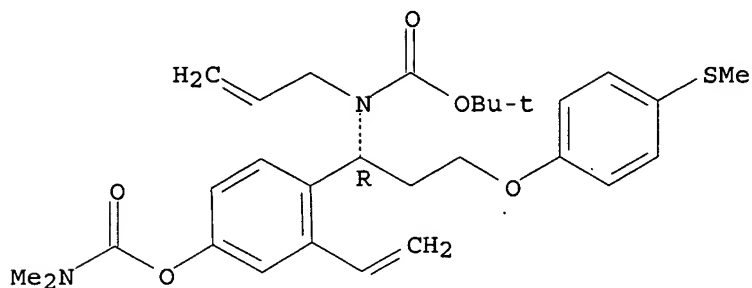
10/629,108



RN 444646-85-9 CAPLUS

CN Carbamic acid, dimethyl-, 4-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]-2-propenylamino]-3-[4-(methylthio)phenoxy]propyl]-3-ethenylphenyl ester (9CI) (CA INDEX NAME)

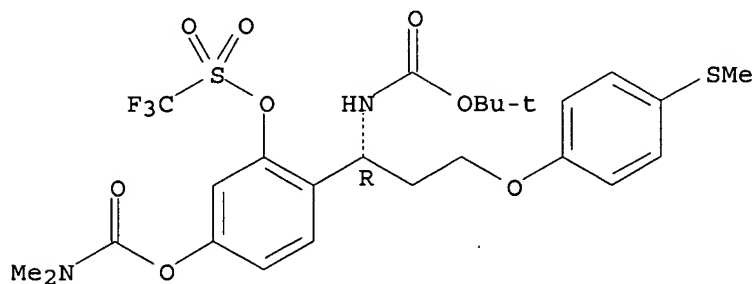
Absolute stereochemistry.



RN 444646-89-3 CAPLUS

CN Methanesulfonic acid, trifluoro-, 5-[[[(dimethylamino)carbonyl]oxy]-2-[(1R)-1-[[[(1,1-dimethylethoxy)carbonyl]amino]-3-[4-(methylthio)phenoxy]propyl]phenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; R1 = C1-6 alkyl; R2, R3 independently = H, alkyl; Ra = C1-6 alkyl, H; Q = aryl; A = C1-6 alkylene; E = single bond, oxygen,

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sulfur; X1, X2 independently = oxygen, sulfur], stereoisomers, a pharmacol. acceptable salt, or ester are prepared and are in vitro tested for acetylcholinesterase inhibition effects. The title compound II·HCl was prepared from dimethylcarbamic acid chloride, 1-(3-hydroxyphenyl)ethanone, 4-(trifluoromethyl)benzaldehyde, and methylamine via condensation reaction. The title compound III·HCl showed acetylcholinesterase inhibition at IC50(nM) = 19 and serotonin reuptake inhibition at IC50(nM) = 6.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

437.87

600.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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